SEQUENCE LISTING

(1) GENERAL INFORMATION:

   (i) APPLICANT: Ruddy, David A.
               Wolff, Roger K.

  (ii) TITLE OF INVENTION: POLYMORPHISMS IN THE REGION OF THE HUMAN
           HEMOCHROMATOSIS GENE

 (iii) NUMBER OF SEQUENCES: 24

  (iv) CORRESPONDENCE ADDRESS:
      (A) ADDRESSEE: Pennie & Edmonds, LLP
      (B) STREET: 1155 Avenue of the Americas
      (C) CITY: New York
      (D) STATE: NY
      (E) COUNTRY: USA
      (F) ZIP: 10036-2811

   (v) COMPUTER READABLE FORM:
      (A) MEDIUM TYPE: Floppy disk
      (B) COMPUTER: IBM PC compatible
      (C) OPERATING SYSTEM: Windows
      (D) SOFTWARE: FastSEQ for Windows Version 2.0b

  (vi) CURRENT APPLICATION DATA:
      (A) APPLICATION NUMBER: 08/852,495
      (B) FILING DATE: 07-MAY-1997
      (C) CLASSIFICATION:

 (vii) PRIOR APPLICATION DATA:
      (A) APPLICATION NUMBER:
      (B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:
      (A) NAME: Poissant, Brian M
      (B) REGISTRATION NUMBER: 28,462
      (C) REFERENCE/DOCKET NUMBER: 8907-0057-999

  (ix) TELECOMMUNICATION INFORMATION:
      (A) TELEPHONE: 650-493-4935
      (B) TELEFAX: 650-493-5556
      (C) TELEX: 66141 PENNIE

(2) INFORMATION FOR SEQ ID NO:1:

   (i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 23503 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

```
CACACACACA CACACACACA CACACACACA CACACAAATG AGGTATATAA AGGGTCTCCT        60

AAAATGTCAT CTGATATTTG TTATTTCATA TTCTCAGATT TTTAATCCAT TTAGGTAGGT       120

CTATTTTAGA TAGCCTTGTC TGAAACAGAG CTGGGACCTG ATGAGTGAAA ATGAGCTCAC       180

CAGAAGAAAA ATCAAACAGG CATTTCAGAG ATTGAGGCCA AGAAGTTAAA TGTCTTAAAT       240

GGGCAGAGCT TAGCTGCTTG ATGTGAAAAG AGACCAGCGT GGCTGGAACA GCAAAGGAGA       300

ACAGCAGAAG AGGTGAACAG AGGCCAGAGA TGGTCACTGA GTGGGCCCTT AAGTCATGGT       360

AAGGAGTATG GAGAATGAAT TATTGCATGT ATTGAATATG TAGGTGACGT GACTCACAGA       420

TACTTTGGAT TTGTAGAGAT GAAGGAAATG TAGCAAGTGA CACTCTTAGA ATGTTGATTT       480

GAGTAAATGG TAGTGTCAGT TATTGAACTG GGGAGAACTG GAAGGGATAA CAGGCTTAAG       540

GAGCACGTTT ATTCCTGTGT CTTGGAAGTG TTTAGGGTGA AAGACCTATT AGAGTTCTAA       600

ATGGAGATGT CAAGTGAAAA TGTGGCTACA CACATTTGCA TTTCAGAAAA AAGGTCAGGC       660

TGGAGATGTA AAATTGGAAG TTTACTGCAT ATAGATAGTC TTTGGAACCG TAGTATTGAT       720

GAAGCCATTA ATGAGACAGA ACAAAGACTA GGGACCAGAG CCAAGCTCCA AGTTTCTAAA       780

ATTTAGAGGA TAGTATAGTC TGGTCATTTT GAGGTGAATA CTTAATAACA GAACAATTTG       840

TTGAAGTGTA AATTTAGAGC CCTACACTTT TAGCTCTGAC TATTAACGAA TACAGGAAAG       900

AATGGATATG GTTATCTGCC TGGTGTCTGT GAAATAATTT AAGCCAGGAA GAGATCCTCA       960

CCAGAAACTG ACTATGCTGG CAACTTGGAT CTTAGATTTC CAGCCTGCAG AATTGTTAGA      1020

AAATAAATGT CTATCGTTTA AGCCACCAGT CTGTAGTATT TTGTTATGGC AGTCCAAGCT      1080

GACTAAGTTT TGGTACCCAG GCGTGGGATG CTGCAACAAC AAATACCTAA ACATGGGGAA      1140

GTGGCTTTGG AAATTGGTGA TGGGTAAAGG CTGGAAGAGT TTGAGGTTCA TACTAGAAAA      1200

AGCCAATTGT GAAGGGACTA TTGAAAGAAA TATGGACATT AAAGGCAATT CTGGCAAAGG      1260

CTCAGAAAGG AAGAGAGCTG GACAGAAAGC TTCCATTTTC ATAGAAACTT AGATTTATAA      1320

CGATCATGGA TAGAATATTA AATATGCTGG TTAAAATATG GACTTTAGGC CAGGCGTGGT      1380

GGCTCACGCC TGTAATCTCA GCACTTTGGG AGGCTGAGGG CACAGATCAC GAGGTCGGGA      1440

GTTTGAGACC AGCCTGGCCA ATATGGCGAA ACCCTGTCTC TACTAAAAAT ACAAAAATTA      1500

GCTGGGCATG GTGATGTGCT TCTGTGGTCC CAGCTACTCG GGAGGCTGAG GCTGAAGAAT      1560
```

CGCTTAAACC CGGGGGGTGG AGGTTGCAGT GACCCAAGAT CACACCACTG CACTCCAGCC   1620

TGGGATACAG AGCAGGACTC CACTCCCCCC GCCACACACA CACAAAAAAT ATATATATAT   1680

GGACATTAAA GTCAACTCTT GTGAGGTCTC AGATGAAAAT GAGGGACAGG TTATTGGAAA   1740

CTGTAGAAAT CACTGTTCTT GTTACAATGT GTCAAGAACT TGGCTGAATT ACGCTGTAGT   1800

GTTTACTGGA AAGAACTTAT AAGCAGTAAA ACTGGATATT TACCAGAAGA GATGTCTAAG   1860

CAAAGTATTG AAGGTGTGAT TTAGGTCCTC CTTACTGCTT AAAGTGAAAT GTGAGAGGAA   1920

AGAGCCGAAA TAAAGAAGGA ATTTTTAAGC AAAACACAAT CAGAACTTGG AGATTTGGGA   1980

TAGATTTCTC AATCTATATT GTAAAAATTG AGAAAGTTTT TCTTGAAGAG GTATGGTTGA   2040

ACAATGTTTT CTTTTTCTTT TTTTTTCTTG GTTTATTTT TATTTTTATG TTTTTTGAGA   2100

CAGGGTCTGG CTATGTCATC CAGGCTGGAG TGCAGTGGCA CAATCTCAGT TCAGTGCAAC   2160

CTTTGCCTTC AGGCTCAAGC AATCCTCCCA CCTCAGCCTC CTAAGTAGCT GGGACTACAT   2220

GTATGCACCA CCACACCCTG GCTAATTTTT TGTTGTTGTT TATAGAGATG GGGTTTTGAC   2280

ATGTTGCCTA GGCTGGTCTC TAACTCCTGA GCTCAAGTGA TCTGCCCTCC TCAGTCTCCC   2340

AAAGTGTTGG GATTACAGGC GTGAAACACT GAGCCTAGCC TGAACAACCA TTTGATAAAG   2400

AGATAATGGG TGTGACCCAA GGATTTAATC AGCCATCTCA GCAGAAGCCA GGAAGAGAGA   2460

TGGGATTATT CCAGCAGAGA CACTGCCAAT TTAAACTAAC GTAGGCAGAG AAAACAGAAA   2520

GGAACAAAGG AAGGTTGTCG ACTTTTTGAA TTCTATAGAA CAGGATCATA GAGCTACCTG   2580

GCTGTCAATG TGTACTATTC TTTAAGAAAA GGAAAGACTG ACCCACCAAA GGCAACTTAC   2640

AAGATCACTA GGGCTGACTC TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT   2700

GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC   2760

TCTTGCCTTA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCGAGT   2820

AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA   2880

CTATGTTGGC CAGGCTAGTT TGGAACTCCT GACCTCCAGT GATCCATTCT CATTGGCCTC   2940

CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG   3000

AGAGTACAGA TGGGATAGGG TGGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT   3060

TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC   3120

CCACCAAACT GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC   3180

CAGAGGTGAC ACTGAGACAC CACTGGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT   3240

TTTCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTTGG ACTTGATTAG GACACATTAC   3300

ACCTTCCTTC TTTCCTATTT CTCCATTTTC TAATGGGAAT GTCTATTATG CCTGTTTCAC   3360

CATTGTACCT TAGAAGCATG TAACATTTCT GGTTTCACAC GTTCAAAGCT GGAAAGGAAT   3420

TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTTAG ATGATTTTTT   3480

AGATGACACT TTGAACTTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT   3540

TGGGATGGAA TAATTTTTTT TTTTTTTTTG AGACGGAGTC TAGCTCTGTC GCCCAGGCTG   3600

GAGTGCAGTG GCACCATCTT GGCTCACTGC AAGCTCTGCC TCCCGGGTTT ATGCCATTCT   3660

CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCCC GCCACCACGC CTGGCTAATT   3720

TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAATGGT CTCGATCTCT   3780

TGACCTTCTG ATCCGCCTGC CTTGGCTTCC CAAAGTGCTG GGATTACACG TGTGAGCCAC   3840

CATGCCCGGC TGGGATGGAA TAAATTTATC TTGTATGGGA GAAGGACATA CATTTTGGCA   3900

GGTCAAGGAC AGAATGTTAT GGACTAAACT GTGTCCCCCA AAATTCATTT ATTAAAACCC   3960

TAAACCCCAG TGTGACTGCA TTTGGACATA GAGCCTTTAG GGGGTACATA AAACTAAAGA   4020

TCACAGGATA GGGCCCTAAT CCCATTGGGG CTGGTGTCCT TACAGAAGAT GAGACACTTA   4080

GAGCTCTCTC TCCACGCAGG CACCAAGGAA ACACCATACA AACACACAGT GAGATGGCAG   4140

CCATCTGTTA GCCAGGAACA GATTCTCACC ATAAACTATG TTGGCACCTT GATCTTAAAC   4200

TTCCAGGCTC CAAAACTGTG AGAAAATGAA TTTCTGTTCC AAGCCTCTTA GATATGGAAA   4260

AAAAGATTCT GTTGTTTAAG CCATCCAGTC TCTGGTATTT TGTTATGGCA GCCTGAGTAG   4320

GCTAAGACAA TGAAGGATGT GGTAAAACTT TACGTCCCAA CCACATACCA AAGAGGCTGG   4380

AATTTAGCAT GCTTTCTTCT TTCAACTGTA GGCAATGTGC ACAAGTTCTA AATCCTAAGA   4440

CATGTTGGCT CCTTTACTCT GCCCAAACTA CAACTCAAAC AAACAACTGT AATATAATAA   4500

CATCCAATGA AGTTCTGACA TTTCTTCAAC ATGAGTACAG TAATTCAATG CCAGAGAATT   4560

CATTTTATTT TGAAATCTAC ATGCCATATT CCAATTTCTG TTGAAGATGC AATGGTTATA   4620

TTTATTCTTT TTAATATAGA TTTATCAGAC TGGGCGCGGT GGCTCATACC TGTAATCCTA   4680

GCATTTGAGA GGCTGAGGTG GGCATATCAC CTGAGGTCAG GAGTTTGAGA CCAGGCTGGC   4740

CAACATGGTG AAACCCTGTC TCTACTATAA ATATAAAAAT TAGCTGGGTG TGGTGGTGCA   4800

TGCCTGTAGT CCCAGTTACT AGGGAGGCTG AGGTAGAATT GCTTGAACCT GGGAGCAGGA   4860

GGTTGCAATG AGTGGAAATC GCACCAGTAC ACTCCAGCCT GGATGACAGA GCAAAATAAT   4920

```
AAATAAATAC ATAAAATAGA TTTATCAGTT TATCAATAAT ATAGTTTTCT TTTCTAGGTG    4980

TAAATATAGG TAATGACTGT CCTTTAGTAC ATTTTCTCAT GATGCTCCTC TTACTTGGTT    5040

TGGTACAATA TTAAGTATTG AAATAAAATA GAGAATCCTG TCGCTACACA TGAGCACTTA    5100

TTCCATTTGC TCATCTCCAA TATGCACGGG AAATTCTCAA ATTGCTAATA ATCTTGTAAC    5160

ACACATGCAT TATATTCAAC AGGAATATAT AAATTTATAA TTATAATTTA GGATCAACAG    5220

ATGACAAACC TTTAGAAGGT TTGTATTTAA CCTTAAAATA TAATTTTTTA AAAATTGGTT    5280

ATAAAATTTC TAATACTTTC TTTTTTGTGA CCTCAAGGGG AAAATATAAT TCTTATAAAA    5340

GTTCAAATGA TTTACAGAAT ACAAAAGTG AATAGAGATG ATGAATGAAT TAAAGGAAAG    5400

GATATTGCTA CATAGATTTG GAAATTTAAA AAGGGAAATT ACGATTGTTG ATTTTGTGTT    5460

AAACTGATCT GCTTTGTTCA AGATACCTTA TGTACCAAAA AATGATTTTA TCTCAGCCTC    5520

ATATCTCAGT AAATTCCTGA GACAAACTTT AGTCCCTGGT GCCCAGGTGC CTTTGGTAAT    5580

TGGGAGACCT CTAGGTTTAG CATCCTCATC CACTCGCCCC AATTTAAATA GTCCTCCCCA    5640

GGGCCATTCA GGCAAGGGAG ATGAAAACTT GCTCAAGAGT TGGAATCCAA CTGAAGCTAC    5700

CGAAATTCAT TGCTCAATAG ATAATTTTCC CTGGAAGTAA CTAGGGCTTT TGAATATAAT    5760

AGTGGGCATT TCAAAGTAGA AGGTAAAGTA TTTTGGAGAT GAGGAGACAG GACAGAGCTA    5820

CGAGGAATGT CCTTTGCTTA GGGACTAGGC TCTTAGCAGT ACCTCTTAGG TAAGAACTGG    5880

TTAACTGGCA CCTTCTGTGT TTCTCTGAAG CTCCCTTTGC TTAGGGACTA GGCTCTTAGC    5940

AGTACCTCTT AGGTAAGAAC TGGTTAACTG ACACCTTCTA TGTGTCTGAA GCTCCCAGAA    6000

CAAACTGCCA GTGAAATTTG GATTTTTGGA ATATAGTTTC TTTTTTCTTG TTACTTTTTG    6060

TTTTGTTGTT TTTTTTTGAG AGTCTCACTC TCACTGCAAC CTCCCCCTCC TATATTCAAG    6120

TGATTCTCTT GCCTCAGCCT CCCGAGTAGC TGGGACTACA GGCGTGCACT AGCATGCCCA    6180

GCTAATTTTT GTATTTTTTA GTAGAGATGG GGTTGGTTTT TTTTTGAGAC GGAGTTTCAC    6240

TTTGTCGCCC AGGCTGGAGT GCAGTGGCAC GATCTTGGCT CACTACAACC TCCACCTCCC    6300

GGGGTTCAAG TGATTCTTCT GCCTCAGTCT CCTGAGTAGC TGGGACTACA GGCGCCTACA    6360

GGTGAACACC GCCACACCTG ACTAATTTGT GTAGTTTTAT TAGAGATGGG GTTTCGCCAT    6420

GTTGGCCAGG CTGGTCTCAA ACTCCTGACC TCAGGTGATC TACCCACCTC AGCCTCCCCA    6480

AGTGCTGGGA TTACAGATGT GAGACACCAG ATCAGCCTCA GAAGACATTT TCTATTGGAA    6540

AGAGAAAACA CTATTAGCAA CCTATTAGTC TAATATTTAA TACTTAATGT CTTCCTTAGT    6600
```

-42-

```
AATAAACCAA CTCTCTACAA CAAAGTGCTT CCTGGCTGCC TAAGTCATTG ATTCATTCAG      6660

TTCAACATTT TCTCAATGCC CAACAGCCAA GTGTCTCTTG TATGCCAAGT TCTATGCTGA      6720

TTATCAGTAT TTGAATAAGA GGGGGTCTAC ATCTTAAGTA CTGCTTAAGA TGAAAGCCTC      6780

TAGGTTAACA AACTTAACAC AATGTATCAT TCACTACTAA ATAGACCGAA TACAAAATCT      6840

TGTTATTGGA GCCCAGAGAG AAGAATTGAA ATTCAAGTTT TCTCTCTCTC CTTTTCTCAC      6900

TCACCACAAT AAGTCAGTTG CACCAAGTCT TGTAGCTCTT TACTGAGCCA TGTTTTCACG      6960

TGTCCCTTTG TTTTATTTGC CACACCCTAA ATAAAAATTG TACTGGCTTT TTTTCCCTGG      7020

GTTTACAGTA TTAATACATT GTCAAGATTT ACCTCTTCGT GTAGATTCCC TGGGGAAAAT      7080

TACCTTTCCT CCTTCCCTTA AATTCTTCAG AGGTTAGAAA GCCATTAGTA ACATTCTGGT      7140

ATGTGGACAA AGTTTACCCA TTATGTATGG ATGTTTTACT CTTTCTATTT TTCTGACAAT      7200

AATCTCTTAA GGAGGTGTGG TTATAGAATA GTCAGCTGTT ATAAGTACTG TTTTCCTGGC      7260

CTTACAACTT AAGTTCTTTA AGCTGTTTCT TAGTTTGCTC ATCTCAAAAT TCGGAATAAG      7320

GATAAAACCT ATCTCTTAGA TTGTTGGATT AAATGAATTA ACATACTGGA AGCTCATGAA      7380

ATGTGCCTGG CACACAGTAG TGCCTAATAA ACCATCTCTC TTATTCAGCC TGTTTTCTGA      7440

TTTCAGAATC TACACTTGCT GAGCCAGGTT CTTTTCATTT CAAGGTGAGC AAAAGCATAC      7500

AAGGAAGAGA TGGAGGTAGG AAGAGATTAA GCCCTAGGCC AAGGTCACAC ACCGATTGGG      7560

AGCTGGAATC AAAGGCAATT TGGTCAGTGA ATAAAAGGA TTCCAAGGCC CATAAGGCAA      7620

TTCTAACCTT AGGATCGAAA TTCTCGGACA TACAGGAAAT GCTGGGGGGG GAAAATCCGG      7680

TCTTCTCAGC CCAAGAGCCA TGTGAAACCA GACCTTCAAA TCTGATGATT CTCAGCCCAG      7740

CTGCCCATTA GAATCGTTGT AATTTAAAAA TACCCTCGGA AAATTCTAAT ATGTGGCTAT      7800

CAAAGGTGAT CATTTGCTTT TATGCCACTT TGTTTTCACC CAAATGGGAC ATCCAACCCT      7860

TTTCCTTTGA GAGTAGTTGT AGGGAAAGGA GGGGGTGGAG GGAGGGAAGA GCGGAAAAGG      7920

CTGGATCCGC CCTGAGCCGG TGTCAGTATC TGGGAAGTGG GAGGCGCGTC AGCAGTAAAC      7980

AGCTTCTGCT AGGATTATTA TCTCCTGCCA CACACTCGGA TTTGAAGGCT CCAAACGAAA      8040

CAATGCAAAA CGCTTCAGTG GAGTTCCAGA AGCGTTAGAC TAAACGACTG GGTCTGTTTG      8100

GCCAGTCTGA GCAGCTGGGC GCAGATGCAT AGGCAAGACT TAGCCCGCCT AGACTTTTCT      8160

GCCCACTTAA TTCCGATCAA AGCAGAAACC GGCCGGGCGC GGTGGCTCAC GCCTGTAATC      8220

CCAGCACTTT GGTAGGCAGA GGCTGGCGGA TCACCTGAGG TCAGGAGTTC GAGACCAGCC      8280
```

-43-

```
CGGCTAACCT GGTGAAACTC CGTTTCTACT GGTGGCGGGC GCTTGTAATC CCATCTACTA    8340

GGGAGGCTGA GGCCGGAGAG TCGTCTGAAC CCGGGAGGCG GAGTTTGTAT GCAGTGAGCC    8400

GAGATCGCGC CACTGCATTC CAGCTTGGGC AACAGGAGCA AAACTCCGTT TCAAAAAAGC    8460

AAGCAAACAA ACAAAAAAAT GCAGAAACCG AGATCCGGAA GAAAACCTCG GCGAGATTCA    8520

CAGAATCCAG GAAAATAGGT CTCTAGAAAT TTGTCCATGG TCCCAGATCT CCATTTCTTG    8580

TGGGTGGGGC AGCTGTTACC AGATCCCTAG AAGCAAAGGT TTTTTTGGGG GACCGTGTCT    8640

CACTGTTGCC CAGGCTGGAG GGCAGTGGCA CGATCTCGGC TTACTACAAC CTCCGCCTCC    8700

CAGGCTCAAG CGACTCTCCT GCGTCAGCTT CAAGAGTAGC TGGGATTACA AGGTATGTGC    8760

CACCACGCCC AACTTATTTT TTTATTTATT ATTTTTATTT AGTAGAGAGG TGTTTCACCA    8820

TGTTGGCCAG GTTAGTGTCG AAGTCGTGAC CTCAGGTGAT CAGCCCCCTC GGCCTCCCAA    8880

AGTGGTAGGA TTAGAGGGGT GAGCAGAAAG CAAAGGTTTT TGAGTGGCCA CAGGCCCCAC    8940

TCTATTTCCT TTTCTGCCTG TAATGGCAAC CTAGACGCTT GAGCTTCTTA AAATACAAGA    9000

GTAAGTTGCA TGTCAGGCAC CGTTCTACAT TAGGGACATT AGTCTGTTTT ACAGACACCT    9060

TTCAACTCCC TGGTTAACTT TTAGGTAATA TACTCTGCAC TTTAGCAGGA ATGGGACCTA    9120

TAACTCTCAC AGAATTAGGA AAGTGAGGCT GCCTACAGCC TAAATTGAGA AAAAAATAGA    9180

CGGGGGACTA GTCGGAGGAC CAAACAAGGT TACCAACACG TTAGAGTTTT GCCTTCAATT    9240

TACATTTTTA AAGTAATCAC AACGAAGTGT TTAGATCACG AGGCATCCCT GCATGTAAAC    9300

TGTTAGGCAC TAACTATGGT CGATCTTACA AAGCATTAAC TAGAATATTT CTTTAGAGTA    9360

TGATAGTACG TAACTGACCT ACTATTACAT ACAAACAGAC CAACCTTTAG TAACAGCGCT    9420

CCCCAAAAAC CGAAAAGCAG TAATACGCTT TGCTCAAGGT TGGCATAAAA TTAACTTACC    9480

TTAGTGCCTT TTTTCCTTCT ACCTACAAGC AGTGAGGTTA GCTCTTCCTT TGAAACGGTA    9540

GGGGGGCTCT GAAAAGAGCC TTTGGGTTTG ATAGCGTTTC CGGGAGCTCA GATACCTGTC    9600

AAATCACTTG CCCTTGGCCT TGTGGTGACT CTCGGTCTTC TTAGGCAGAA GCACGGCCTG    9660

GATGTTAGGA AGGACGCCGC CCTGAGCAAT GGTCACCCGG CCTAGCAGTT TGTTGAGCTC    9720

CTCGTCGTTG CGGATGGCCA GCTGCAAGTG GCGCGGGATG ATGCGAGTCT TCTTGTTGTC    9780

GCGAGCCGCG TTGCCGGCCA GCTCCAGGAT CTCGGCGGTC AGGTACTCTA ACACCGCCGC    9840

CAGGTACACC GGCGCGCCTG CCCCAACCCG CTCTGCGTAG TTGCCTTTAC GGAGCAGGCG    9900

GTGCACTCGG CCCACCGGGA ACTGGAGACC AGCGCGAGAA GAGCGGGATT TCGCTTTGGC    9960
```

```
GCGAGCTTTG CCTCCTTGCT TACCACGTCC AGACATTGCA ATCAGACAAA AATCACCAAA    10020

ACCAGCGGCC TAAGCTCACG AGAAAACAAA CAAAATCAAG AAATATGTAA AACATGGCCG    10080

CTTTTATAGG TAGTTCCTGG GGAGTAAATC CGACTTTTTG ATTGGTCGGT AGCAAATGCT    10140

AGTCAGATAG CCAATAGAAA AGCTGTACTT TCATACCTCA TTTGCATAGC TCTGCCCACG    10200

GATGACAACT GTGCAGTTTG TCTTCCAATT AACTAAGAGG TACTCTCCAT CCCTCATTAG    10260

CATAAAAGCC CTATAAGTAG CAGAAATCCG CTCTTTACTT TCGACACATT TCTGGTGTTT    10320

TAAGATGCCT GAGCCAGCCA AGTCTGCTCC CGCCCCGAAG AAGGGCTCCA AGAAGGCAGT    10380

GACCAAAGCG CAGAAGAAAG ATGGCAAGAA GCGCAAGCGC AGCCGCAAGG AGAGTTACTC    10440

TGTGTACGTG TACAAGGTGC TGAAACAGGT CCATCCCGAC ACTGGCATCT CTTCCAAGGC    10500

CATGGGCATC ATGAATTCTT TCGTTAACGA CATATTTGAG CGCATCGCGG GCGAGGCTTC    10560

CCGCCTGGCG CATTACAACA AGCGCTCGAC CATCACCTCC AGGGAGATCC AGACGGCCGT    10620

GCGCCTGCTG CTTCCCGGAG AGCTGGCCAA GCACGCCGTG TCGGAGGGCA CCAAGGCCGT    10680

CACCAAGTAC ACCAGCTCCA AGTAAACATT CCAAGTAAGC GTCTTAACAC CTAACCCCAA    10740

AGGCTCTTTT AAGAGCCACC CAGATACCCA CTAAAAGAGC TGTGGCCAGA CGCCAAATTT    10800

TATTTGGCGG CGGAGGGGTA TTAGAATATA GGAACTGGAG AGGGGTGGGG ACAAGTGTTG    10860

CAGCTTAGAG AGGGACAAAG GGTCCTGAAC CCGAAAGAAG CCAGCCATTA AAAATGGCTT    10920

TGGGGTCAAT TCGTTGTGCT TAAATTTAAA ATGGAGACAA GCGGCCATTT TGCTAACTCG    10980

GCGTTCCCGG AAGAAACCGC AGGCTCGCTT AGGTTTCAGA CCCAGCTGTC TGTCCCTGTC    11040

TACGTCGCCA GGATCAACGG TTGCCGTAAT GTCATAATTT CGCCACCAGC TTCTAGCCAA    11100

TAGGCTGTCC TGTCATTTTA AATATTAACC AATCGAGGGA AAGCTGTTTT GAGACTCTGA    11160

TTTACATAGC GGACCGGAGT GGGAACCTGG GCAGTAACTG CCTAAGGAAG GACTCCCCCT    11220

CTGTTTTCGT GGCGCACACC TTCGTAGTAT ACTGAAGGGT GTGTCTCCTG GGTTTCCAAC    11280

TGCCCCGGTA ATAGTCTTTT AACCTAATAT GCGTCAGTTT TGATAACAAC ACTAAGGCAG    11340

TACAGAACTA AAGATGTAAG CACTGCGCCA GATGTTGCTT CATACATCTT ATTCTATTCA    11400

ACTGGTTTAT TCAAGATTCA AATCAAATCA AATTTTGCTT GAATCCCAGT GCTCAGTCAG    11460

CCATAAATGG TGTGTTGCCT GATTGAAACT TAAAATCTCC GTAGGGGGCT TGTAACATGC    11520

AGACAAGTTT GAAAGTTGCT TTAGGAGAAG CCAACTCTTA ACTGCTGGGT AAATTGACAA    11580

GCCTTCGAAC ACTGAACTGA AGGCCAGTAA GGACTAGGCG CTGGGTGGGG GAGAATGAAG    11640
```

-45-

AGGAGACGTC ATTAAACTTA GCACATACAC TGTATCTCCT AGAGGACTCT CCCTTCCTAG   11700

ACAACTGCAG GCCGCTTTGT GGCCTGGGAA ATTCCACATT CCCTTAAGTA TTTTACTCAT   11760

GGTCTTTTCC AGGTAAAGAT TTTAAGATGA AGGGTTAGAC GTAGTCTACC TATCTTTTTA   11820

TTCAAGTCTA GAACACGTTT TTAGCACCTA GAAGTTTGCT TTCTCCATTA AAAACCGGGA   11880

ATATACAATA AATAAAATTA GTGTTAAAGC AGATTTTTAC AAACTTAAAT ACCATGTAAT   11940

TTAGGTTACA GTTATTTAAC ATAAGGACTG TGTGATCTTA AATCTGCAAT TTCTTTCACA   12000

CCTGGGAAAT AAACTAAGGC CTGTCTTTGG TGCCAGACAA GGCCTTATAC TTGAACACTG   12060

CTGTGCAATC ACAGGCTGCC TTGCCTAGAT AACTTATCTG AGAAATTCTG ATGAGAAATG   12120

AAATTTCCAG AGTCCCTCAC AAGTAAATTT TTTTTTCTTT TTTTTTTTTT TTTTTGAGAC   12180

GAAGTTTCTC TCTTGTTTCC CAGGCTGGAG TGCAATGGCG CGATCTTGGC TCACAGCAAC   12240

CTCCGCCTCC CGGGTTCAAG CCATTCTCCT GCCTCAGCCT CCGGAGTAGC TGGGATTACA   12300

GGCATGCGCC ACGACACCCT GGCTAATTTT GTATTTTTAG TAGAGACGAG GTTTCTCCAT   12360

GTCGGTCAGG CTGGTCTCGA ACTCCGGACA TCAGGTGATC TGCCCGCCTT GGCCTCCCAA   12420

AGTCCTGGAT TACAGGCTTG AGCCACCGCG CCGGGCCTAA ATGGTTTTTT TTTTTTCTAT   12480

GCCTCTAATG GACCTGGTCA CTTATTCCCA TTCAGACTGA CCGCTCTCCT ACCTGCCAAC   12540

TAACTAATCA GTGTAACCAA AATCTGCAAA CAAAATTCAG TATTCTTTCC CCGCCTTTTC   12600

CCCTTTCTCT TACATAGATT ATGTTTTTGC CTGTGTTAGA TGAAATAATT CTATTGCTTG   12660

TTCTCTCTTC TGTACAAGTA CCCAGTAAGC AAATTATTAA CTTCTTGGTC ATTTATTTCT   12720

GAATTTTCCA CCAAGACAGT GTTTATGTGA GTCATACAAT AAGAACCAAC AGAAATGTGT   12780

GTCTTGGAAA CAGGTTGTCT ATCCCTGGAC CCTTTGAGTT TTCTGTTCAC TTTCCTTTGG   12840

CTTTTGCATG CTAAAAGTTT ATCGTCCGCG TTTGTTTGTT TTGGTTATTC TAATTGGACT   12900

TGGCTGATTG GTTGCATATT GGTGGCAGTA GTAGAATTTG AATTCTGGTT TTCTGGTCAC   12960

ATCATTAAGT GATTAGTCAG TGGAGAGGAC AGGAAATCTG GTTTATTTAT TAACCTTTTT   13020

TTGGGGTGTT TTTGTTTGAA GATGTTGATA TTCTCTGTGA GGACACAGGG TTAGAGTTGG   13080

TGTTTTTCTT TCTGACTTTA CATGGGATTT GATGTTTTGT GCTTGTATGC CTCTTTCCAC   13140

CTTCCAAAAC TTGTCTTTTT TGAGTCCAAA TAGTTGTCGA TATCTGCAAA ACCAGTATTC   13200

CTGTGTTAAG ATGATATGAA TATAAAATGG CTGCCCTGTT ATAACTTTTG ACTTTAAGAA   13260

AGTGTTAGGA CTAACAGGAG ACAAAAAGGA AATCAAGGAA ACCGAATGTC TGGTCTCAAT   13320

-46-

```
AACTGCTATG GCAGAGGCTC TACAGCTTAT TATTAATTTT AGTAATTTCA CATTATTGCC    13380

CCTTCACGTT CTTTAAGTAA GGTTAGAGGA CAGAAGAAAC ATAATGTTGT TACAAATTGG    13440

ACTATTGAGT CAGGGAAAAA AAAGAGTGCT TTCAATATCT GAATAAAACA AAGATTTAAT    13500

ATTTTCTAAA CCTTAACGAG TTTATTGTAA GGGATGTGAT GCTGGAAACT AGGAAACTAG    13560

AATTTTCTTC TAAACTGAGA ATCAGAATTA TTCATATTCT CAGCAGTGGT GCCACCTGAG    13620

GGACTTCTGA TCTTAATTAC ATACTTTTAT TTCTTTAACT GATCAACATG CTAAATAGAT    13680

AACCTATGGC TCTGTTTTTA CCCACTTTAA ATTCTGTTCT ATTAGCACGG TTAGCTTTCC    13740

TAATTGGCAA TAAGATTGAG ACTATCTTTT TTTTTTTTTT GAGACAGAAT TTTGCTCTGT    13800

GGCCCAGGCT GGGGTGCAGT GGCACAATCT CGGCTCACTG CAACCTCTGC CTCCAGGGTT    13860

CTAGCAATTT TCCTGCCTCA GCCTCCCCAG TAGCTGGGAT TACAGGTGCA CCACCACGCC    13920

TGGCTAATTT GTGCATTTTT AGTAGAGATG GGGTTTCGCC ATGTTGGCCA AACTGGTCTC    13980

GAACTCAGGT GATCCACCTC GGCCTCCCAA AGTGATGAGA TTACAGGCGT GAGCCACCGT    14040

GCCCAGAAAA GACTATCTTA TTTTATGAAT TTAAATAATT GTGAAATTAT CCACTTAAGG    14100

GAATTAATAA ATTATAATGT AATCTTAAAT TTTAGTTGGC TTACATAAAG ACTTAAAATA    14160

CATCAATTTA AATAAAAACT CATTTGTCTA AAAAAAAATC AAAAATTTTC CTTGTGCTTT    14220

AAATGTGCTA CCTCTTTAAG TTCTAATTAA GAGAAAAAAA GTTTAACTGT GAGTTTCATT    14280

AGTGGTCTTA GTTAACAGCT TAAAGTATTT TGTAAAAAAA ATACTTCACA ATTTTTAAAT    14340

AACTTAAAAA TATTAATACC TCTTTTATTA GGTTTTTTTA ATAAGGAAAA TATATAATAC    14400

ATCTAATCAA GATTTTTTTT GGACAAATTG GCTTAATAAT TTCATTTTAA AAATGGCTTC    14460

TTTATTCTTA TACTGTAAAA ATAATATTAG CAGAATATTA TAGTATACAC AAGTTTAGGG    14520

TTCATATTCT AAAAAACAAA AACAAAAGCT AATTTAACTT GCATTACTA AATTTCTTCC     14580

ACTAGTTGTA CTGGTTACAT GAGTTAACAT CACTTTATTT ATTATTCTAA AATTGTAAAT    14640

TATTCATTGA ACCAAATTAA ATGATAATAG ATAATGTCAT TTTTAAAAAT GGAATTAAAT    14700

TTTATGTTAC TAATTATAAG GATTCAATGT GTGAGCTTAA GTACTGAGTT CACAGTGTAT    14760

GATAACTTTA AGAATTTAGG TGAATATTAT TAAATTGAGT AAATTAATTC TCAATCTTTG    14820

GATACCTGGA CAATTTCTAA ATTGGAGGGT ACAAAATACA AATCACAAGA AACAGTGTAG    14880

TTTTATGCAA ATAACATTTT TACACAGTTT AGAATAACCA TTGATAAACA GATAAGAGAA    14940

CATATGATTG CCTTAGAATA GATACTGTTG CTTTCGCCAC TTTAGATTTG TAAATCACGT    15000
```

```
ACTGTATACG TGTGGGCGTA GAGGACCATG CAGGTTTTGG ATGACTGCCT CTGTTTTCGT    15060

CATGCCTATG CGGGAACACA ATTGCCTGCT TTGTTTAAGG GCTATGGTTA ATCCAAACAG    15120

CTCTGACTCT ATCAAGTACT ATAGCTACAG AGAAACACAA GTAAGCATTC GAGATAATGA    15180

CTACCTTGAG CCTTTACTTA TTTAAAAAGT TGTTACTGTT TGTTAATGTG GTACATTCAA    15240

TTTACTATGG ATTGTCACTC TAAAATAAGA CTTCAATCTT TTTCTTATTT TTATATAGCC    15300

ATGATTTATA TTCATATCTT AATGTAATAA CCAATCTTCT CTGACAACAT TATAACAATG    15360

CTGGAACCTC CATTTTCAGT ACTTCAAACA ACAAATACTG CTTTTATACT TCAGAGCAGA    15420

TGGATATGTG CTTCCCAGTG TAAACACATT TGGAATCTCA CTGAGAAATA CACTATCACT    15480

AAAAATACAG TTCTGAGATT CATTAAAAGA CCTCCAGAAT TCTGGAAGTA GGAAGTTTCC    15540

TCTTCAAAGT CTACAGAGGA AGATGAGGTC TGAAATAGAC AGCTTCTTCC TTCTTTTACC    15600

TGTGGTATTA TTCTGTTTTG TCCTTTTCTC CATTATCTGT CTTTCCAGTG ATGAAATTTT    15660

GATCTGGCCC TCCCAAGTAT TAAAAAACAA GCAAATAAAC AAATCTCAGT TATATTTTAC    15720

TAAGATATTG GCATGCTAAC TTTTTGCAGG TTTGTAACAA GGACCTTTAT AACTTGACTA    15780

AAAGTTCCTA AATAAGAATA TTTACTAGAA AATTTATTTC TGCCTGTGGC CCACATTTGA    15840

GTCAAAATAA TCAATTAGGA AAAATGAACT TGTTTAACTA AAGTTGACCA AACTGATCTT    15900

TGACCAAACT GATCTTTGAG ACCTATTCAT CTAAGACAAG CCAATTAAAT TCTTGGAGAC    15960

AATTTGTACT TTAAGGAATT CTTATAATAT TTGTAATTAC CCTCATAACT TTTTTTTTTG    16020

CCCTACTTCT GTGCTTCTCT AATATGCAGA TTATTAAATG TTGTTACAAA GCCATTGTCA    16080

AAAAAACAAA AAACAAAAAA CTAAACAAAC TCACATGGTT AGACTTGCTC CTTTATGAGA    16140

TATTTTTACC AAAAATGGAG GAGTTGAAAA ACTCTGGTGC CAGAAATCGT GAAGACATGG    16200

CCTACCTAAC ATGGAAATGT TGGTTGTCAG TGGAAAATAC TACACAGAGA TAGCCATAGT    16260

GCTGCACAGC CAATCTTAAG TGTTTCTAGA GAATCACTAA TTGTTTCTAG AGAATCACTA    16320

ATTGTTTTCT TTTAACATTC TTGGTTTATA CAAGAAGAGA GTATCCATAC TAAACTCTTT    16380

TCTACTGAAA ATAATGTGCA AACATAACAT CCTATTCCTA GACAGTTTGT AGTTTTTTTC    16440

TCCCATTTCT ATTTTATAAA TCATCTTTTT AAAATACTTT GTTGAGTGAA ATCAGTCCAT    16500

TGCTTGATAT ACCTTGAGCA CAAGTAAATA GTATGCCAAA AATTAAATGT CTTTCAGTCA    16560

CAGTTTGACA AACTCAACTA CCCTGAGCCT ATAGAGTGGT AATAATTGCC CTACTCATAA    16620

AGATGGGGTG AAGATTAAAT GAAATAGCAC CTATAGAACA CTAGTTCCAG ACGTGGTATC    16680
```

```
ATGCTAGTAA AATGGCTGCA CAGCACTGCT CAATGATGAC AAAAAGTGAA GCTTCTGGAG    16740

ACAGACTCCA AGTTTGACTC CCAGATCACC ACATATAAGA TGTGGGACTC TGAGGCAGGT    16800

CATTTAATCT CTCTGTGCAT TAGTATCCTT CTCTATACCT TTACAGTGAT GGTAATAGCA    16860

CCTACCTTCT AGAAGTATGT GAAGATTAAA GATCCTTAAT GCATATAAAC CACTGTGTTT    16920

ACTGCTGTTT GACAAATTTT ATTTATAACC ATCTTTACGC TCCTAAAAGG ACTTGAAGCA    16980

GCTTATGACT GAAGACTTTG GTAGGAGTTG GCCTTCTATA AATTATAAGA ATTTCATAAA    17040

TTATTTGATA TGAAAATGCC AGTTGATCAT AGTATGTTTA CCGGGGTCCA ACAGGTTGAG    17100

AAAAAATACA CTTTTTTTCC CTGAACATAT GAAATTAGCT CTCTAGGCAT ATTCCTAAGG    17160

ACTTAAAGAA TGATAACTAT CATTTCTCTT AAATCTTCCA GATTTGGAAG GATATATATA    17220

TTCAGCACAT TGACAGACAA TCCCAGTAGT CCTAAATTAA AAGACATTAA AAATTAGTGA    17280

AACTTTTCCT ACCTTTAGCC TGTGTAATCC TGGATGACCA AGCATAAAAT TAAATTGAGT    17340

AGAGTATACC ACTGTAACAT TTCCTGAAAG GTATTCTAGG CTCTGAGTAA TTTCTTTGGG    17400

GTCTGAAGAT CAGTTTGACA TATCCTCAAG TATCATGAGT TCATTATAAT TAAGAAAAAG    17460

AGAGTAAATC TGGAGAATGA GCCACTTTCT TACTACTCCT TGACCTCAGT TCTTTTTTTC    17520

AGAGACAGGG TCTCACTTTG TTGCCCAGGC TGCCAGGCTG GAGTGTAGTG GCGCAATCGC    17580

ATCTCATTGT AACCTCCACC TTCTGGGCTG AAGCCATCCT CCTGCCTCAG CATCCTGAGT    17640

ATCTGGAACC ACAGCAGGTG CACACCACCA TGCCAAGCTA ATTTTTTAAA AAGTTTTTG    17700

TAGAGATGGG GTCTTACTAT GTTGCCCAGG CTGGTCTCAA ACTCCTGGGC TTAAGTGATC    17760

CTCCTGCCTC AGCCTCCCAA ATTGTTGGGA TTACTAGTGT GAGTCACTGT ACCCCGCCCC    17820

ACTTCAGTTC TGAGGAGGAA AAAATATGTA ATAATAATGG GACTTTGGTT TGCTGATTTA    17880

AAGATTCATG TAACCTTATC ATCCAATGCG CAATTTGTAG AATAATTAAT AGAGACATCT    17940

GGTCTCATGT TTCTACAGTT GCTCATGCCT TGATAGTAGA TCTCCTTGCT GCTGGCTCAG    18000

AAGGGTAAAA GAGCAGAAAT GATGGGGCTT CTCTCATTCT ATGAGGAAAT AGACCTATGT    18060

AGAGGAGGCT ACCTGTGGTA AAACCTTATC CTCATCACTT AAAATTCTAG GCTTATTCTC    18120

TGACCATATC AAGTTTTCAA ATGGTAAAAG AATTGGATTC AAGAGAAATA TGAATAAACT    18180

TTTGTTTTCA CTTTTCTCCC TCCTCTCCCC CCATTCTCCC TTCCTTTATT TTCTTGTCCT    18240

TAGTTTTCTT TTCACTTTTT TGTCTACTAT TATTTGCCCA AACTCAACTG TAGGCTAGAA    18300

CAAAAAAAAA TTGAAAATTA AAATGTGCCC CTTTTGTTGT TAGACTTGCT TAAACAATTG    18360
```

```
GGGTAATGAA CCTTGGACAC TAGATTTTAA AACACACACA TTTGAGCTTC AGTGCACTGA        18420

AATAAATATA TTTTTAACAA TTAAAAAATA AAATTGCATG TTTAAAAAAT CTGCAGAGAA        18480

CAATACACGT TGTGAGATCT TGAATGGAAG GAAAACTGCT AGCCTCAAGA GTGGATCAAA        18540

GATGCTCAGC AGGCAACAGA GTAAGAGCAT GTTGGAGGGT TTAGAGAGTG TGCTCAGGGT        18600

TCTAGGCTCT AAAAATCAGA CAGTCCCCAC GGCCTGGCCT TCGTCGCTGT ATCTTCTTTA        18660

TGAAAAACAC TAAGTCTTTT TCCTCACTGG ATAAATTTTT ATCCTTCAAG TTTAGATCAA        18720

ATGGAACTTT AGGACACTGA CTAGGTTACA TTCATCTTTT AAGAGCGTAC AGACATTCAA        18780

GGGCTAGAGG ATGTGGGTTT ACTGCACAGG CTCATTATCC AACAGCTGTG CTACCTGGGA        18840

AACTTAACCT CTCTGTGCCT TAATTTCCTC ATCTATAACG CAGGGAGAAT GACAGTAGGT        18900

ATCTCATAAG GTTGTTGGAA CAACTAAATG CATTGGTATC TATTGTGTAA AGTGCTTAAA        18960

ACACTGCCTG GCACAGAGCA AACATCCAGT GAACTTTAGC CATCATCATT ATCATTGTTC        19020

TCAGAGTCAA ATACAATATC TCATATCTGA TAAATTACAG AAGTGAATCA ATCACTCTCT        19080

CTCTTTTCTC CAGGGGGAGA CAACAGCTTT TAGACATATC TTTTCCAACA GTCGTCACTG        19140

CTGGACACTG TTTCATCTTG CAAATAAACC AATGAAAATG AGTGATCCTA GAAGAAGATA        19200

AATGGAGGTA TTTTGAACAA TCAAGAAGG ACAAATGAAC ACCTGGCTGA GAAAAATTAG        19260

CTCTTTTTTC TATGCATAAA ACTATTAAAA TATTCTTCAT AGAAATTTAT GACACAGGAA        19320

ACATAAAGAC AAAATTAAAA TAACTCCTAG TATCTCCTAT TCTTTTTATA TGTATATTAT        19380

ATATACTCAT ATTCATATAT ACATATATCT CACATCATGT ATCATATATA AAATAAATTT        19440

AGGTGTCATG ATATATATTT AGATAAATAT ACTTAGAAAC TTTTTTATGG ATGTATAATT        19500

TATGGATATA TTGATAATTA TGTATTTGTT ATTGACTACT TCAATTGATT CCCATTTTTA        19560

TGCATTATAT TATAGATTAT ATAGCTCACA CATCTTTGTA CATAAATCTT TGTTCAAATA        19620

TTATTTCCTA AGGATAGACT TCATGAAGTG GAAATACTAA ATCAAAGTG AAAAACATTT        19680

TCTAAGGTTC TTAACATATA CATTGCCAAA TTGCTATTCA GGATCATACC AATTTATAAT        19740

CCCAAAATAA TATGGAAATT CCTGTTTTAT AGCACTCATA TTTACAATAA ATTTTAAAAA        19800

TCACTGTTAA CCTAATAGTC CTTCAAAAGA AAAAAAAATT GAAATTACAT TATTTTAATG        19860

ACTCTATTAG TGAGGGTCAT TCTTCCCATG TTTCTTGTTA GCCATGACCC TATAAGAAAT        19920

AAACTGCACT GCAAAATGAT AAACATGACA TCAATCATTA CATGGGAAGG CACTATATAA        19980

AGAATAATAC CTTAGGTTAA GGCCACATAA ATATTTATCA GGTGCCTTTT CTGCGGAGGA        20040
```

```
CTCTGAAGGG ATACTAAACT GCATTTAGCT GCATGCAACT GAAACTACTT TTACCTACAT     20100

TGTCTCTTAT AAACATTATA ACTACTCTTT GAGAAAGTGT TTACTATGGA CTGAATTGTC     20160

TCCCCATCCC CCCAAATTCA TATATTGAAG CCATAAACCC CAATATGACT CTATTCCTAG     20220

ACAGGACTTA TAAGAGGTAA TTAAGGTTAA ATGAGGTCAT TAGGATGGGT TCCTAACTGG     20280

ATAGGATTGG TGGCCTTATA AGAAGAGGAA GATTCTGCAC TTGGTCTTCC AAATTAAATA     20340

ATTTATTTAA AAGAAAAAAA AAAAGAGGA AGAGAGGGAG CTCTGCACAT ATACTGAGGA     20400

AAGGCTATGT GAGCTCTCAC AGTGAGAAGG TAGCACTCTA CAAGCCAGCA AGAGAGCCCT     20460

CAACAGAATC CAGCCATGCT ATACCCTGCT CTGAGACTTC CAGCCTCCAG AACTGTGATA     20520

AAATTTGTT GTTTAAACCA CACAATCTAT GGTATTTTTT TATGGCAGCC CAAGCCAACA     20580

AAGACAGCAT CATTGCTGTC ACTTACAGAC AAGAAAACTA AGACTAGGAG AGAGAAAAGT     20640

TAAACTTGTC CAAGGTCACA AAAGCCAGAA ACAAGTGAGG TGAGAAGTTG ACCTTGTTCT     20700

CCTCAATCCA AGGCCAGGAC TCCTCCACTC CACATGTAGA TAGCCACCTC ACAGTCAACA     20760

GCCAAATGTC CACACCCCAG AGTCAGCATT AGACCAAGAT GTCTTACCAG GAGACAAATG     20820

CCTCATCTTG AATAAATATG ATCTAACAAC TTACCCATGT AAAACATTGA ATCTCATGAG     20880

AAACAAAAAT GCAAAGTATG TAGAAAACTA TGTTTACCAC TTAACTGACA GTGATAAAAA     20940

GCTTAATGAT ATCCTTATAG TCTTGGAGGG GTTTGTATAT GTGGTGAAAC AGGTGCTCAC     21000

GCACTGCTGA TAGACTGTAA ATTGGTCCTA GAGAGAAAAA TAAATAAACT GGAAGGAGAT     21060

ATGCTGTATG TTTACTTTTT TTATGGAAAC ATATGATATA CCTGGAAATT CGATTGACCA     21120

TGCATCTATT TCTTCAATGG GTATGCACAG TTGAGCTGTT CCCATGCACC AGGCACTGTA     21180

ATGGGACAAC TGCACATGAC AGTCAAAAAT CTCAGTCTCA TGAAGTCGAC ATGCTCATGG     21240

AGAGGTGCTA CCCACTAAAC TAATATTTGT ATATCAATTA TGGATACATT GGGCCACATT     21300

TACAGAAATT CACTTACAGT GGGTTACCAG AAGGGATTTT TTTTCTTGAT TGGCAAGAAG     21360

GCTAGGCTGT TTTGTTGGGG GCTGGCAGGA GCTGTCTAGG CTGCCCAAGT ATGCAGGTCT     21420

CTTCTATCAT CCTGTGTTAA CCATCTTCCA TGTATCTTTC AACCTCATGG TCATCTGCAG     21480

CATGTCTAGG GGTCATATCT ATGTTCCATG CAGGAAAAAA GGGTAAAGGG AAAGGGAAGT     21540

AGGCATGTAC CATTTTAATG CACACCTTGG TTTTCAGAAA ATTTAAGAAG AAAGACTTTC     21600

TGCTTTTCTC TGACTATTCT GTATTCTGGA TTACAACGCA ACAGAAACGT CACCTTAAAT     21660

TCTAATGTTT TTCTCTCCTT GCTTTCAAAA ACTGACTCAT TAACCTCCAC GTGGCTTGGA     21720
```

```
AAAATTATTT CAGTCATCCA GTAATGAGCT GTTCATAGAA ATGTTTTGGA CATCAAGTCT        21780

GTGTTGTTAG CATTATACAT GTTAAGCATT GAATAAAAAA CAACATGATG TGGGTAAATT        21840

TCTTTACTTA CATATAAGTA CTTATATACT TATAGCTGAA AAGAGAGGTT GAAATGTCAG        21900

GTGGAACAGA AATAAGATTA CCTAGATGTT TCTCCTATGG GTGATTTTCA GCTATGCTGA        21960

TCTTTCTTCT GGGTCAGGTA CTCCCAGAAC TTCCTAATTA AATGGTGGCC CTGATCTTAG        22020

TTCCTCTCTC CTCTTAGACA TTTTCCAGGA CTACAGAAGA TGTGCAGTTT ATAAATGAGT        22080

AGCAGAAACC TACTGAACAA ATTATTCAGG CTCATCTGAA CAGAGAGGAC ACCTTCTCTG        22140

CTATACTCTC TCAGTGATTT CCCTGCCTTG GGGTCAATTA TTGTCTTGGA CATTGATTTA        22200

AGCACATAAT AATTGTTGTC ATTGCTTATG TTTGGATTTC ATCTCCCAAA ATAGATGGTA        22260

AATTCTTTAG TTTAGAGACC AAGTAATACT TAAAAAAAAA TTTTGTGTGT GTGTGTGTGT        22320

TTTTTCTGTG TCTCTCAGCC CTGTAATAGC ATCGTACTTA CACTTGTTAG ATTTTTAGAG        22380

ACAACTTTTA CAAAACATGG AATTATCTAC ATACCCTTTC TACAAACAG ACAAATTAAA         22440

TACTCAGTAG TTGAACCAAA AAAAGCAGTT CAAATAAAAT ACTTGAAAAT GAAGAAATCA        22500

TTTGAACAGA GTTAAAGTTA ATCGTAAAAT AATGTCTGTA AAAATTATTG CCAATCAAAT        22560

ATAAAGTTCA AAAATAGTGC TTGAAAAAGG AAGAATCATA TGAAAAGGGA CTACTCATTT        22620

TAAAAATGTT AGATATCAGG AAAAGCCAAG AAGTGAGTAT GGTAAGAGTG CTGTCAAGTG        22680

AAACCCTGCT AATCTCACTG AACATGTAAA AATCTGTAGA TGCCTTTATT TTATTCACTC        22740

ACACACATAT GTAGAAAGAG AAATATATGG TAAACATTAA AAAAACCAAA TTAGAATGTA        22800

AAATTAATAC TTTAAAAAAT GGGCTGTATA CTTTTCTTAT CACCGGAGAT AAGAATTTAT        22860

TATTTTTAAA ATAAAGTTAT TTTCTCTGTG ACTGTTTCCA TGACTTTGCT ACTTAGAAGT        22920

TAGAGATGCC AAAGTTTATC TAAGAAAATG TTTATGGAAA TATTATTTCA ATAATGAATG        22980

TTTAGAAGAC TGAATTTCCT GACTGGGCGC AGTGGCTCAT GCCTGTAATC CCAGCACTTT        23040

GAGAGGCTGA AGAAGGAGGA TCGCTTGAGT CCGGGAGTTC AAGAGCATCC TGGGCAACAC        23100

AGCGAGACCC TGCAGCAAAG TAAAAGAAA AAAGAATTGA AAAAGGAAGA CTGAATTTCC        23160

TTTGGGCAAG TCATGTGACA TTCCTGTGCC TCAGTTTCTT CATCTATAAA GTTAATTCCT        23220

ACATTTTTGG GGAAGGGAGA GAAAAACTTA GGATAGTGAC TGGCACAGAA GAAGCACTAT        23280

ATACTATATA TATGTGGATA TCATTTGTTT TTATGGTACC ATTTTAGCTA TCTAATGCAA        23340

AATATGAATC TTTTTTTTCT GGGTCTTAAA TTATGGAATG TAAGAATTTT CTAAATTCTC        23400
```

```
TAATTCTGTG  TTAGTTTTAA  AGCAATGGAG  TAACGTATCT  GTCAACTTGT  AAATATAAGG  23460

ATCAACCTGA  TCCACAATTT  GACCCCTAGC  CACTAATATT  TAATAGTACA  ACACTCAGAA  23520

ATTATCAAAG  GTCAGAGAAG  CCAAACAAAT  GTAAAAACAT  ACAGGTGCTC  AGAAAGATGC  23580

ACCTGTAATC  TCTCTAAGGA  GAAATATTTT  CCAAACTGAG  TGACACGGTG  CTTTAGTGAG  23640

TTGTGGAATC  AATCTCATGA  TTTCCAACCT  AGTGTTCTTT  TAAAAATGAA  CTAGTCCACA  23700

GTAGAATATA  CTAAAGTGCT  GGTGCTTAAG  ATAGTATTGT  TTTCTGGAAA  AAAAAAAAA  23760

ATTTTTTTT  TTTGAGACAG  GGTCTCGCTC  TTGCCCAGGC  TGAAGTGCAG  TGGCACAATC  23820

ATGCTCACTG  CAGCCTTGAC  CTCCTGGGCC  CAAGTGATTC  TCCCACCTCA  GCCTTTTGAG  23880

TAACTGGGAC  CACAGGTACG  TGCCACCACA  CCCGGGTAAT  TTTTTAATTG  TAGAGACAGG  23940

GTCTTGCTAT  GTGCTTAGGC  TGGCCTTGTG  AACTCCTGGG  CTCTAGTGAT  CCACTAGCCT  24000

CAGCCTCCCA  AATTTATGGG  ATTATAGGCA  TGAGCCACCC  TACCTGGCCT  GTTCCCTGAA  24060

TTTTTTTTTC  TTTCAGGTGT  TTGTGCATAT  GTGTGTGTGT  ATGGGTATAA  CAGAGAGACA  24120

GAGAGAAAGA  AACTTTTCTA  TCTCACTTTG  CAATCAGAAG  TTTGAAGTCT  TATCTTTTGG  24180

CTTTTGTTTC  AGAAATATTT  CAAATGTAGA  CTCTCTCCTT  TACCACACTG  TCCCCTTAGG  24240

CAAGGTCTTT  GCCATTCTTC  TGAGACTATT  GCAACAGACT  CCCAACTTCT  GACTGTGGGC  24300

CCTTCTCAAA  AATGATTGTT  TATGCAATAA  ATCTAAACCC  AAGACAACTA  CAACAATACA  24360

ACAAATTCTC  TGCTTAAAAA  CTTCCAATGT  CTGCCGGGCG  CGGCGGCTCA  CGCATGTATT  24420

CCCAGCACTT  TGGAGGCAGA  GGCGGGCAGA  TCACTTGAGG  TGGGGAGTTC  GAGACTAGCC  24480

TGGCCAACAT  GATGAAACCC  CATCTCTACT  AAAAATACAA  AAAATTAGCC  AGGCATGGTG  24540

GTGGGCGCCT  ATAATCCCAG  CTAATTGGGA  GGCTGAGGCA  GGAGAATTGC  CTGAACCTGG  24600

GAGGTGGAGG  TTGCACTGAG  CCAAGATCAC  ACCATTGCAC  TCCAGCCTGG  GCAACAAGAG  24660

CAAAACTCTG  TCTCAAACCA  AACCAAAACA  AAACTTCTAA  TATCTACCAA  ATGTTTCACA  24720

CAAGTATTTG  GGGATCTTCA  CAAATGGCCC  TTATGGAGTT  TTCCTTTGCT  GAGACCCTAT  24780

GCTCTGGCCA  CACTAAACTC  ATTCAGCATC  CCAGAAAGGC  CTCAGCCTTT  GTGAGCAAGC  24840

TCTTATCTCC  AGGCCTCTCA  CAAAGACCTG  TTCCAGTAGA  AGCTCAGGGG  AGCACACTGG  24900

ACATTATTCC  AACAACCCTT  TCCCCACAGC  TATGCAGCCA  AATCTGCCAG  CTCAGTTAAT  24960

TAATTAAGCA  ATTCAGAGAT  GAGGGTCTGC  CCAGGCTGGA  GTGCAGTAGC  TGCGACCTCA  25020

AGCTCCTGGG  CTCTAAGTGA  TCCTCTTCAG  TCTACCCAGA  AGCTGGGACT  GCAGGCATGT  25080
```

```
GCCACCACAC CCAGCTAATT TTTTTTTTTT TCAGTAGGGA CCAGGCCAAC CTAGTCTTGA    25140

ACTCCTGGCC TCCAGCCTTC CGAAGTGCTG TAATTACAGG CATGAATCAC TGCGCCCAGC    25200

CAACCCGCCC AGTCTTGTTA GACATGGGGT CTGTAGTTTC TAGTAGGTTC TTGAGTCTAG    25260

GGTTCCTACC TCATGTTTTA TAGTTAATTT AGGGGAGGGA CTGTGTCTGT TTATCTGGGG    25320

ATGTAGGGGT GGGCAGGGGG ATAGAGGGGA CTTCAATTAA TGAAACCAGA AGCAAAACTC    25380

AGTTGAGGAC ACCGGTCATG AGAGTGGCCT GATTATGGCC AATCTTACAT AATGTGTGAG    25440

ATCTTGATAT TACCCCATCC TTGAGAGTCC TCTATAAAGC TACAGGGACT TGGGAGCACC    25500

TTTAATTACA GACAACCCAT GTTCCTGTGG ATTATGATTT ATTAGATTGC ACATGCCTAA    25560

ATAAAGACAT CCTCTGCAGT CTTTTGACAA TTCTATAAGC ATCTTCTGAC TCCGCAATTA    25620

GACAGCTAAG AGATCTGTGT TACTTCCCTC ACATATATAA ATAATTTTAA ATAAAAATCA    25680

TGGCGTGAAT AATTTCTTTC CTCTACCGAT TTGAAGCTAT CCATTTGGAA GACCACTCTG    25740

AAGAGATGAA ATAAGTCTTC TGCCAAAGAT TACTTATTAA TTTACAAGGA AAAGGGGAAG    25800

TTTTGTTCCT CTCCGTGAAT TTGATTGAAA ATCGAGGGCT TTCTCGAATA GTTTTGGCAT    25860

CCAGGGTCAT TTTTCATTAA AAAGAGAAAA GTCATGTCAA ATATGAATTT CCGCAGATTA    25920

TTCAGCACTA GACCCTGGGA GATTCTGTAA AGAGGGGTTT TGTTATACTC AACTTTTCCG    25980

GGTAAAACAA ACACAAATAC TCCTCCTCCA AGGGGCGGGG GCGGTGCCTA GGTGATGCAC    26040

CAATCACAGC GCGCCCTACC CTATATAAGG CCCCGAGGCC GCCCGGGTGT TTCATGCTTT    26100

TCGCTGGTTA TTACATCTTG CGTTTCTCTG TTGTTATGTC TGAAACCGTG CCTGCAGCTT    26160

CTGCCAGTGC TGGTGTAGCC GCTATGGAGA AACTTCCAAC CAAGAAGCGA GGGAGGAAGC    26220

CGGCTGGCTT GATAAGTGCA AGTCGCAAAG TGCCGAACCT CTCTGTGTCC AAGTTGATCA    26280

CCGAGGCCCT TTCAGTGTCA CAGGAACGAG TAGGTATGTC TTTGGTTGCG CTCAAGAAGG    26340

CATTGGCCGC TGCTGGCTAC GACGTAGAGA AGAATAACAG CCGCATCAAA CTGTCCCTCA    26400

AGAGCTTAGT GAACAAGGGA ATCCTGGTGC AAACCAGGGG TACTGGTGCT TCCGGTTCCT    26460

TTAAGCTTAG TAAGAAGGTG ATTCCTAAAT CTACCAGAAG CAAGGCTAAA AAGTCAGTTT    26520

CTGCCAAGAC CAAGAAGCTG GTTTTATCCA GGGACTCCAA GTCACCAAAG ACTGCTAAAA    26580

CCAATAAGAG AGCCAAGAAG CCGAGAGCGA CAACTCCTAA AACTGTTAGG AGCGGGAGAA    26640

AGGCTAAAGG AGCCAAGGGT AAGCAACAGC AGAAGAGCCC AGTGAAGGCA AGGGCTTCGA    26700

AGTCAAAATT GACCCAACAT CATGAAGTTA ATGTTAGAAA GGCCACATCT AAGAAGTAAA    26760
```

```
GAGCTTTCCG GGAGGCCAAT TTGGAAAGAA CCCAAAGGCT CTTTTAAGAG CCACCCACAT    26820

TATTTTAAGA TGGCGTAACA CTGGAAACAA GTTTCTGTGA CAGTTATCTA TAGGTTTAAG    26880

TTGTGATGCA GCTGAGTTGA AAAGGCTTGA GATTGGAGAA TTAATTCAGG CCAGGCTTCA    26940

AGACCATCCT GGGCAACATA GCCAGACTAC CATCTATACC AGGGGTCCTC ATTTCCCCGG    27000

CCACCGACCG GTAACCGGTC CCTGTCCATG GCACGTTATG AATTGAGCCG CACAGCTGAG    27060

GGGTGAGCGA ACATTAACCA ACTGAGCTCC ACCGCCTGTC AGGTTAGCTG CAGCATTAGA    27120

TAGATTCTCA TAAGCTCAAA CTGTATTGTG AATGGCACAT GCAAGGGATC TAGGTTTCAG    27180

GCTCCTTGTG ACAATCTAAT GCCTGATGAT CTGAGGTTGG AGCAGTTTTA GTCCGGAAAT    27240

CATTGCTCCC AGCCCCTGCA CCCCCTGGTC CGTGGTATAA TTGTCTTACA CAAAACGGTC    27300

TCTTGTGTCA AAAAGGTTGG AGACTACTGG TTTTACAAAA AAGTAAATTA GTCAAGCATG    27360

GTTGGCACGC TCCCTTAGTC CCTGCACCCA GGCGTTTAAG GATACAGTGA GCTATGATGG    27420

TGCTACCTCA CTCCAGCCTG GGTGACAGCG AGTCAGACGT TGTCTCAAAA CTTAAAAAAA    27480

AAAAAGTTA AAACAGAAAA AGGGCTTCTT GTCAGAGACT GCCGTATATC TAGAGGTCCA    27540

GGAACTAAAA AGTCTGATGT CCAATCCTGA AAAGCTCGAT GGTGCACTAG AGGAGGCTTT    27600

TACATGTAAG AGCATCTAAG TTCTGGAAAT GCCAGTGTCA GGGAAGGGAA GTGGAGAGCA    27660

ATTTGGCATC CAAACATAAC TTGCTGATAC TTTTTTTTTT TTTAACACAA GTACTACATT    27720

CTAGTCTTTC TGTGGTGTCA TTGTAACTAT TGTTTCTTAA TATGCTATCC ACTGACTTCA    27780

AGGGATCAAT AAATAGGAAT CAAGGTGTCC CAGAATATGG ATTAGGGGAG TTTTTTTGTT    27840

GTTGTTGTTG TTGTTGTTTT TCATCTATTC ATTATCCTGT AGCTGAAATT TAGAATTTTC    27900

TTCCATTGTG TGTGACTGAT AGAAATAACA AATTTGTAGG TTATAGTTGT TGCAAGAATC    27960

TGGAAATCGT GCTTGCTTAT TTCCGAAGTA CTATTAGGTA TATCAACAAA AACACACATA    28020

TTACGGTCAA GTGGTTTGAT AATTATTTTA ATATTATTGG TCTAATACAA TTGTAACCCT    28080

ATGAATTACT TTAAGTATCT TATTTATGAA AAGAATCTGT AAGTTTCATC AGACTACCAG    28140

AGCATACCGA AGACTGAAAA ATTTTAAGAA TCCAAACCTT AATGGAAATG TTGGAGGCTG    28200

CCCAATTAGG TTCTGAATTC CACCTTCCTG AATCACAAAC TTGTTTTAAC TCTCAGTCTG    28260

AGGTAAACTA CGTTTCTCTT TAAACAGACA TAGTTTAATT TTCCTTTGAT TTTTGATTTA    28320

GTATTCTTAC TGATCATCAT AAATAACCAA TGCTAATGTT AGTCTACTTT GGACCATGGT    28380

ATTTCGAGAA ACTTTGAACA AAGTCCCCTG CAAAACTATG CATTGCATTA TTTCACATAC    28440
```

ATTTATGTTT TCCAGACGGT TCAATAGTAC CTCACTTTTC TGAACTTATT TGTATAGTTT   28500

GGCATCTTTT TAAAAATTGT GTCCTATAAT GAAAGGTTGT AAACATTATG TTTTAAATTT   28560

GTATAGATAA AATCAACCAC AGACCTTTCC TTGCTTGGAT GTAATTGCCA TTGTTTCCCA   28620

ATGAGTTCGG AATTACTAGG ATTGTGCAAA AATATGCCTC ACTTGCCTGA CATAGCAGAG   28680

AGCCATTTTG CCTAAATGCT GTGCCCAGCA ATGGACTGTC ACCAGATTCT CATCACATAC   28740

AGTGAGGATG AACAACTAGC CTCTCCCAGC AGCTGGCCGG TCTCTCAATA ATATGGGACT   28800

CCCTCAAGAT GGCTTCCTGC ACCTTTGCTC CTCTAGCCTT GTATGTATAC AAGGCTAGCA   28860

TGCCTGGCAT ACATAAGGTT AAAAACAAAA TCAATAAGTT ATGGTTCTTC CTCCAGTTCT   28920

GGGGATTATT AGACCACTTT TTTGTTTTGT TTTGTTTTGG ATGGAGCCTC GCTCTGTCAC   28980

CCAGGCTAGA GTGCAGTGGC ACAATCTCGG TTCACTGCAA CCTCTGCCTC CTGGGTTCAA   29040

GCAGTTCTCT GGCTCAGCCT CCCACGTAGC TGGGATTACA GGTGCCCGCC ACCACGCCCG   29100

GCTAATTTTT GTATTTTTAG TAGACGGGGT TTCACCATCT TGGCCAGGCT GGTCTTGAAC   29160

GCCAGACCTC GTGATCCACC CACCTTGGCC TACCAAACTG CTGGGAATAC AGGCGTGAGC   29220

CACCGCGCCC GGACTTAGAC CACTTTGTTT TGGCCAATAG GACAACAGCC ATAGAACCCT   29280

CCGCAAATGA GAGCTTGTCC CTAAAGATGC TTTATTTACA TAGCTGTGTG CCGCATGAGC   29340

CAAAAGGTGA TAACCTTTGT TCAACACGCG CCTCCAGCCC TTCGGTTAAG TCCAAAGTAC   29400

CATTCTTAGA ATGCTCTAAA ATACATAATT TTTTTTTTTT TTTTTTTTTT TTTTTTTGAG   29460

GAGTCTCTCT CTGTCTCCCA GGCTGGAGGG GAGTGGCGCG ATCTCGGCTC ACTGCAATCT   29520

CTGCTTCCGG GCTAGCTGGG CCTACAGGTG CAGACCACCA CGCCCGGCTA AGTTTTGTAT   29580

TTTTTTGGT AGAGGGGGTT TCACCATTTT GGCCAGGCTG GTCTCGGATT CTTGATCTCA   29640

AGTGATACAC TAGCTTTGGC CTCCCAAAGT GCTGGGATTA CAGTCGTGAG CCACTGCGCC   29700

CAGCAAAATG CTTTTTGTGG AGCCAATCAC TTTATTAGCG CTTACCTCTC TATGCCTACT   29760

TTATGCTTTG AAATTTTGTC ACAGTGTGGC CGGTCATGGC AAACACAATT CATTCTTATG   29820

CAGGATGTCA CGGTTATTTC TGTCATCCAA ACTCATTCTC GCAACGCATT TCAGCTCTTT   29880

AAACGACTTT GTGAGCGGCC CTGAAAAGGG CCTTTGGGTT TTTTTGTTTT TGTTTTTTGA   29940

AGTTCTCAGG AGACCGCGTA TTCTTAGATT CAGCCGCCGA AGCCATACAG AGTGCGCCCC   30000

TGACGTTTTA GGGCATATAC TACATCCATG GCTGTGACAG TTTTGCGCTT GGCGTGCTCC   30060

GTATAGGTGA CGGCGTCTCG AATAACGTTC TCTAAGAAAA CCTTAAGCAC ACCTCGAGTC   30120

```
TCCTCATAGA TAAGACCGGA AATGCGCTTG ACGCCACCGC GCCGAGCCAA ACGGCGAATA      30180

GCCGGTTTTG TAATGCCCTG GATGTTATCC CGGAGCACCT TACGATGGCG CTTAGCACCA      30240

CCCTTCCCCA AGCCTTTTCC GCCTTTGCCG CGACCAGACA TGATTCCTAT CGCAGTGGAA      30300

GGTATGAACT GAAACAGTTC CTTAAATACA AACTTGGCGG ACCTGATTGA AAACAACATG      30360

AGTTGGCGCG GTTTTTTTTT TTTTCAAAT TTGGTCACCA AGTGGGTGGA GCAAGAAAAA      30420

CTGTTTCATT ATGGTTCATT GTTTTGATTG GCCAGTGACA GCTTGCTCTT TGTGGGAGTG      30480

GAAGGGTGTT TGCAAGTTGA ATGCGCTGTA TTCCTGTCAG CTTAATGACG CTAAGCATAG      30540

CCCCATTCCA CATTTCTTTT TATTTCCACT TGCTAACTAA TAAATTACGG AATAGTTTAT      30600

TGGGGAACAT ACAAATAATG TTTAAAGGAG GTCAGATTTA TAGGTCAAGG GATTTACCCT      30660

CCCAATCATT TTAATATTTT TATTTAAACC AGGCATTTTG ATGGCCTTCT CTGTGCTGGA      30720

CAAGGTATAA GTTTGGCTAT GAAGTTTCAC TCCTAAAGAC CCTATGTTTT GGGAAGGCAA      30780

AAAGGTAGCC AAATAATTGC AAATTAAAAC CTCATAAGTG CAAACTTCTT CCTCGTCACT      30840

TTCCCTATCT CGATTCAAAT ATTTGTTGAA TGACTCATTT TTCTGCAAAA GTCTGAGAGA      30900

GACAGGGAAT ATAAACTTAA GTCTGGATAA TATGTTTTCC CGGGACGCTC TTCCTGGTCT      30960

GCTGTGCCTG TTTGCTGTGC CTGAAATTCC AAACACTCTT CCCTTCCCTC CGTTTTTAAT      31020

CCCCTTTCAA CTTGCTACAG CTTTAGAGAA AAGAACATTC GTTTTGTACA GTTGGGGATT      31080

AATTGAAGTG TAGGGCTAAT ACTTGATTAA GGTCATTACA AAATCTACAG GGTCTTCCTC      31140

TGGGAGGTTT TTGTGATAAG ATTATTGGTG TTAAAATAAG GCTAATCCCC TTGAAAAATA      31200

AATAGAATAG CAGAATTGGG TCTGAATGTG GTTTGAAGAA AGGGACTTCT CAATTCAAAA      31260

TTTTATTCTT AGCTTCCTGC GGGAGCTTTC CAGAATGCCC ATAAGATCCA CTTTTGTTTA      31320

AAAAACAAAA ACAACCCCAC CCACCACTCT CTGGTTAATA AATGAATTTC TATTGGGAAT      31380

ATTTAGAATG GGGCTGTGGC CTGTGAGAGA CATTATATAG TAACCTCAGA CTTGCTCACA      31440

TGAAGAGAAG AAATCCAGGA ATGGAGAAAA AAGACCCAGG AAAGGCCAGA ATGCTCTACA      31500

TGTCATATTG TTTGTATCAC TTCTGAAATA ATTGATTACA TTCTTCTGCC CCAAATTGAG      31560

TTCTTAGGTT CTTCCACTCA CTGTCCACAT GCCACAACAC AGACCTTATA ACTAGAGACT      31620

TAGCTAGGAA GAAATGTCAA ACATTACAGA GAAAAAATGC AGAGTCTGAG ATCATAAGTA      31680

AAACTCTGAA ATCTCAACAT GCCTTTTAAT TCATGAAAAT AAAAAATATA GCAGCATATG      31740

CAATATGACA ATTCTCTGAA AACATACATC ATGTGAACTA CCCTGGAACA CATCTCGCCA      31800
```

-57-

```
AGTGCCATCT TCATTTTAAC CAGAGGTCTA GGATGCCTTT CCTTTATTTT GCCTATTATA    31860

TCATTTATAA AACCCCATTT TTATTTTGAT ATTTTATTTA CTTTCTATTT CCTGCTCCTA    31920

ATATCTCCTT TCTAAACTTT TCTCAATGAC AGTGACTCAA AAACAATGAA TGTCAGAACA    31980

AATATTTAAA GGATCTGTAC ATGTAGATAT ATATATTTAA AATGGATTCT TCCACTCTGC    32040

GAAGAATTCA GGCATACTCA ATCTTATGGT TAGGGAGAGA TTAGGCTCAC TCGCCTAATC    32100

TGTATGGCTT CTCGTTCGCT TTCCATTTCA CCTTCCTCTC ACCCATCAGA TCAAACTCAT    32160

TCATTGAACA AGAGACCTAA GCCCTTCAGA TTAAAACTCT GCAAACAAGT TGTGGTTGAG    32220

AGGATACATG AAGCATTCAA ACAAATAAAT CTATGATATT AATCAGAGGT TAATCTATGA    32280

TATTAATCAG AGGTTAATGC AGTGGCTCAC GGCTGTAATC CCAGCACTTC AGGAGGCTGA    32340

GTTGGGAGAA TCGCTTGAGC TCAGGAGTTC AAGACCATTT TGGGCAACAT AGCAAGTCTT    32400

CATCTCTACT TAAAAAAAAA TAACCAGAGG TGTTATGAAA ATATAAATTG TCCAGAACTA    32460

CCCTCCACAA ACTAACTCTC TCAGAATATT CGATATGAGG AATGAAATAT GGTGTGTGTG    32520

TGTGTGTGTG TGTGTGTATG TGTGTGTGTG TGTGTGTGTA TGCACCTATA TATGGCACCT    32580

ATATATTCAA CAAACAATTC TGATAATTGG CCAGGGTTGA GAATGACTAG CAGCCCAGCA    32640

TACACTATCA GTTTTAAGTA TATAATTGCG CTTTAGTAAA ATGTAAAGAA ATCCCAGAGT    32700

AGAAATACTT TTAAGCTATA TTACAGGTGA GAAAATGCAT AAGTATAGTC TCACCCAACT    32760

TAGACTATGG GGGCTTTATA ATGTCACAAC AGTTGTTTCC AGGCATTTGG GGACATCACC    32820

ACTGGTCTTG GGCAAGAAAC TCCTCTAGCC AATGGCTGAT TTATCTCACT CCCATCTAAG    32880

GCTTCACTGC ATTTCTCTTT TTCAGCAACC TAACTTATTT AAAAATATCC ATTTTCTGAT    32940

TCATTTTTTT CTGAATTAAA CTGTCAGTAC CATTGGCACA CCTTTGGTTC CGTAGCATAC    33000

CTGTGTCTCT GCTGTGTTTT TTTTTTACCT CCACTCCTTA CTTTTCTAGA AAAAAATCTC    33060

TGCTTTTTCT TTTCAGTTTA AATTATTTCA CAAAAGTTT TCTTGACTTG CACTTCCTAG    33120

GCTTGCTGTC CTTGTGTGGG CACGCTCCCA TAAACACTAT TAATACACTT CGATTTGTTA    33180

AAAATAAAGA TATCTGGACA GAAAATTTCT TTTCTTTTTT TAAGATTTTA AAATTTTTAA    33240

TGTTTATTTT TTTCCTAGAC TGGAGTACAG TGGCACCATG ATGGCTCATG GTAGCCTACA    33300

CTTCCCCGGG CTCAAGTGAT CCTCCCACCT CAGCCTCCCA AGTAGCTGGG ACTACAGGTG    33360

TGCACAACCA CACCTGACTA ATTTTGTTTA TTTGTTTGTT TTGTTTTTTG AGATGGAGTT    33420

TCGCTCTTGT TGCCCAGGCT GGAGTGCAAT GGCGGGATCT CGGCTCACCG CAACCTCTAC    33480
```

```
CTCCCAGGTT CAAGCAATTC TCCTGCCTCA GCCTCCCGAG TAGCTGGGAT TACAGGCATG     33540

CATCACCACG CCCAGCTAAT TTTGTATTTT TAGTAGAGAC GGGGTTTCTC CATGTTGAGG     33600

CTGGTCTGGA ACTCCTGACC TCAGGTGATC TGCCCGCCTC GGCCTCCCAA AGTGCTGGGA     33660

TTACAGGCGT GAGCCACCAC GCTCGGCCAC TAATTTTGTA TATTTTGTAG AGATGGGCTT     33720

TCCCTGTGTT GTCCAGGCTG GTCTTGAATT CCTGGGCTTA AGTGATCTGC CCACCTTGTC     33780

CTCCCAAAAT GCTAGGATTA CTGGCGTGAG CCACCAGGTC TGGCTGGAAA GATAATTTCT     33840

AACATTATCC TCTCTTAAAC ATTTGTTTCA AAAATTTTAC AAACATGAGA GTAATTAAAT     33900

TTGATTTTCA AAATTCCCTT GAATACTTTC TTAATAGCAC ACAGAAAGCA CAAAGTATTT     33960

TACATTTGTT TTAATGATGA AATTGTGAAC CCAAACTTAC ACAAAGAAAA ACCCGTAACA     34020

TTATACCCAT ACTTAAAACA GATGCCCTCA TATACATAGT AAAACTCTTG GGGGCAGTAG     34080

TGAAGTTGGT TATTTACTGT TTTATGAAAG TGCCATTCAG CCGGGTGCAG TGGCTCATGA     34140

CTGTAATCCC AGCACTTTGG GAGGTCGAGG CAGGCTGATC ACGAGGTCAG GAGTTCAAGA     34200

CCAGCCTGAC CAAAATGATG AAACCCTGTC TCTACTAAAA ATACAAACAT TAGCTGGGCG     34260

TGGTGGTGTG TGCCTGTAGT CCCAGCTACT CAGGAGGCTG GGGCAGGAGA ATCGCTTGAA     34320

CCTGGGAGGC GGAGATTGCA GTGAGCCGAG ATCGCACCAC CGCACTCCAG CCTGGGAGAC     34380

AGGGCGAGCT CCGTCTCGAA AAAAAAAAC AAAAAAGTGC CGTCATAGTG ACTCAGTTTT     34440

AAGGAATAAA TCAAGGATAT TTAACTCAAT AGACTACAGT TAGCTAACGT GACTTGCACT     34500

GAAAGTTATA CGAATATTGG TACTTATTCC CCTGCCCCTG AAGTATGAAT TAAAGACTCC     34560

AAAATTCTTT TTAGAATCTT CAGAGTAAAA GCTAGAATTT GATTTTTTTA AATAATAAAA     34620

AAATACTTTG TATCTAAATC TGGTGTATAA AATAACTTGG TGGATGATGC TTCAAGGCTA     34680

TCCATCCCCA AATTTCTCCC TGAATGATAA AGAGAATAAA TGAATATGTC AATTCAAAAG     34740

TTAGAAATTT GGCCGGGCAC GGTGGCTCAC TCCTGATAAT CCTTTCGGAC GCTGAGGTGG     34800

GTGGATCGCA TGAGCTCCGG AGTTCAAGAC CAACCTGGGC AACATAGCCA GAACCCGTTT     34860

CAATAAATAA TAGAAAAAAA TGAGCCAGGC GTGGTGGTCC CAGCTACTCA GTAGGCTGAG     34920

GTGGGAGGAT CACTTGAGCT CAGGAGGTCG AGACTGCAGT GAGCCGTGAT CGCAGTACTG     34980

CACACCAGCC TTGGTGTCAG ACTGAGACCC TGTCTCAACA ACAACAAAAC AAGTTAGAAA     35040

TTTGGCTGGG CGCGGTAGCT CACGCCTGTA ATCCCAGCAC TTTGGGAGGC CAAAAAGGGC     35100

GGATCATTTG AGGTCAGGAG TTCGAGACCA GCCTGGCCAA CATGGTGAAA CTCCATCTCT     35160
```

```
ACTAAAAATA CAAAAAAAAT TAGCCGTGCA TGGTGGCATG CGCCTGTAGT CTCAGCCACT    35220

TGGGAGGCTG AGGCAGGAAA ATTGCTTGAA CCCAGGAGGC AGAGGTTGCA GTGAGCCGAG    35280

ATCATGCCAC TGCATTCCAG CCTGGGTGAT AGAGTGAGAC TCCATCTCGA GAAAAAAAA    35340

AAAATTCTGT ATGAACTGAA CAAAATATCC TTAAATTTTA AAATACATCT GAAAGATATT    35400

TCAAATATT TAGGAAAAAA ATTATAGGGA TCAGGCAAAT TCTGAGATTC CTTTTTCCCT    35460

GCAGCAAACA TTAGGAGTGC TGCTGTTCCT AAAAACATGG TAACTGTTGC CACACCGTAT    35520

GTTTCCTTGG CTCAGACATA AGGTTGTGTA GTTGTTATTC CAGAATAGCT AGAATAAAAA    35580

TCCAGCACAT CATTTTCTTC AGCAAGTTAA CTAACCTCTC TGTGCCTTGG TTTCATAACA    35640

GCAACATAAG CATAACAGAA TAGCAGCAAT AGCTCCTACC TACCTCATAA GATTCTTTGG    35700

AGGAATTAAA TTAAGATTCA GAACACAGCC TAATATCTAG TAAGTAATAA TAATTGGCTA    35760

AAAAAATTTT CTTAAGATTA TATATATTCA TGGGGTACAA GTACAATTTT GCTACATTAA    35820

TATATTGCAT TGTGGTGAAA TCAGGGCCTT CAATCCATCC CGGAAAAAAA AAGTTTTTGA    35880

AAAGATTTCT GCCATGGAAA ACTTTTAATG TACAAATTCA TCCATCCAAG AAATAGAAAA    35940

TATATAAGTA TCAACTCCAA ATCCACCATA TCTATCTCTT CTACACCTTA AACAATTACT    36000

CAGAAATAGA ATGCTTGAGA TACCAGAATG CATGCATATC AAGTAATAAA TGCATGCAGG    36060

ATGTCAACGC ATCCTAGGCT TTCAAATAAA ATTGTCATAC AAAATACTTT AATATTGTAG    36120

TAACATTCTA CATGTTAGAG TGTAGAAGTT AATCGCTGAT GCAAAAAGG AAAAGAACAC    36180

ATTATACCCA AAGCCTACAG AGAGAATCAC AATTACAAAT ATCAGCCTGC ATGTGAAAAT    36240

CTTTAATTTG AAAGTCAGAA ATATTTAAAT GATAGTCATT GTTAAATCAG ATTGTGGTTT    36300

GAAAAAAAGT TAGTTTAAAA CTGAGTTTAT GAAAAATTTG GGGATTTTAG AGACAGTGTT    36360

TTGTTTTTAA ATGTGTGTGA GTTTGTGAAG AATGTTTTAT AAAATACTGA CAGTATTATA    36420

AGATGACATT ATTATAATAC AACATAAGAA TTTTGGCCTG TACCTCTCAG CAGTCCTCAA    36480

TCACCTGCTG TACTTGACTC AATGATTATC AGAGTGGTTT GTTTTCCTTC TGTTGTGTTC    36540

CCAGTTCAGG CAGCTCAGCA ATGGCCTGTG ATTCCAGCAA TTCAAATAGC TGGTAAGTAG    36600

TTTCTTGTTT GTTTTCTCAA ATTTTCAGGG GCTTTTCTCT ACAAGTGATT CCAGTGCAC    36660

GCCCCTCCAC CCATTCTTTA TTCCTTTACC TTCAGGAAAA CCCTCAGCGC TGCATCTCTG    36720

GTCACCGGAC CACCGTGGTA CATTTACCTA TGGCCACCAG GTGTCACCCT TCTCTTTACT    36780

ACCATGGTTT GTGAATGGTT TTGCCAGAGG TGAATAAGAA TTTAAAATGC AGGTCTTTGA    36840
```

```
TTTTTCAAAT GTAGTTGACC TTAAGAATTT ATGAATAAAG CCAGAAAAAT TAAGCTTAAA    36900

AAACACCGAA AGAAAATGAG GACTTAAAAT TTCTATTAAA AAAATTAACA GGCCACAGTT    36960

GCTGATGTTT AGTAAATGTG TTAGTGAAAT GTGTTACTGT GAAGACTGGG GTGTTTCTTG    37020

AAATCTCAGC CCAGGTGAAA TAAAACCAAT ATAAAACAAA TGCTTACCTA ATAAATTAAT    37080

TGTAACATAT TCCTTATGAG GTAGAAGAGT AAGTGAAGCC TTATAGCAGT CTGCTTTCAG    37140

TATAGTAAGA TATTAAGAGA GAAATAATTT GTCATATGCT TTCAGAATGG TTTGCTGGTA    37200

AAATAACCAA TGTCTTACAA CTTAGACGAC AATGTCCCTA GAGTGAAGAA ACACGATTAA    37260

TTCGGCTACC ACAGTTGAAT GAAAATATTC CGTAAGACAA AATGTAAAGA AATTAGAAGC    37320

AAAATAAATG TCTCCAAAAT GACAAAGCGA TTAAGTATAT ACACAAGATG AACAAGAACT    37380

TCAATAAAAT CATGCAGTAT ACAATACAAT ATACATTTAT TAAAGTATAT GCATTTTAA    37440

TGCAACAATA ATACTAACAG GTAATAGACA AGTTGTTAAT AGTTTTTCAC TGGCTAATTA    37500

AATAACAGCT TTAATTGTAT TCATTTTATA GCTTTTCTAC AATGAGCGTA AATCACATTT    37560

ACTTTTTTCT ACATAACTTT TCTAACCACA AAAAAGAAA ATGGTTTAAA AGAAGAGATG    37620

AGATATCTTT GCTAAAATTT AATGCCTAAA GAAGAAACTT CTGAGCTGTA TATGGTATCC    37680

TGAAGCACCT GCCCTTCAAG ACAGAATGCT TGTACCACAT TTATGCAGCC AAGTGCATGT    37740

AGTAACATAA AGTAAACACA TGCCATCTGG ATATATATAT TAAGACTCTT TTGACGGCTG    37800

GGCAGGGTGG CTCACACCTG TAATCTCAGC ACTTTGGGAG GCCGAGGCAG GCGGATCACG    37860

AGGTCAGGAG AGTTCGAGAC CAGCCTGGCC AACATGGTGA AACCCTGTCT CTACTAAAAA    37920

TACAAAAATT AGCCGGGCAT GGTGGTGCAC GCCTGTAATC CCAGCTACTT GGGAGGCTGA    37980

GACAGGAGAA TCGCTTGAAC CTGGGAGGCA GAGGTTACAG TGAGCCGAGA TCATGCCATT    38040

GCACTCCAGC CTGGGCAATA GAGTCTCAAA AAAAAAAAAA AGACTCTTTT GAACATGGTG    38100

AACTGATTTC CCAGAATCTA GCAATTCCTG AATGTCCTGG TTAGATTTTT TTTTAATGT    38160

GCACCGGAAC CCCAGTGGCT CCATGGAAGG ACCTGGGCAT CCTCTAAGCC ACTTGGTGGC    38220

TTCCATTATA CCATCTCAAA ATGAGAGAGC TTACTCCACT TCATTGAGGG AAATACCACC    38280

AGAGTTCTGA CTCCAGAGGC ACTGGCCTAG GGAGGACACC GTGTGTGAAG CCCAGCAGGG    38340

CCACTAGCTG TCCCCACCAA TTACAGTCCT TGCGTAGGGT CCAAAGAAAT GAATGCCAAA    38400

GAGAGCAACA GAGGAGCAAG GGAGTCACAT TCCAGGACCT TCCTTCAGGG ACTTTTAAAG    38460

GAAACATGAC AGCTGAGGAT CAGTTGGTTG TTTTCTGCTG TTCCCCTTCA TGTGATTCAA    38520
```

```
GCTCACTCAG AAGAAACACA ATGAGACAAG AGAAGAGCCA TCTCCTTCCT TCTCTATTTA      38580

TTCTAGGCAT CTAAACTACT GAATGTAGTG GTGTCTGAGA TGTATCAAAC GGTCAGATTG      38640

ACTGAGTTTG AAACCTGTTT CTATCACTGA CAAACTATGA GATACTCTAT ACTTCACTTT      38700

CTTTTTTTTT TCATTTTTTT ATTTTTATTT TTATTTTTTT GAGATGGAGT CTCACTCTGT      38760

CACCTAGGCT GGAGTGCAGT GGCGCAAACT CGGCTCACTG CAAGCTCTGC CTCCTGGGTT      38820

CATGCCATTC TCCTGCCTCA GCCTTCCGAG TAGCTGGGAC TACAGGCGTC TGCCACCACG      38880

CCCAGCTAAT TTTTTGTATT TTTATTAGAG ATGGGGTTTC ACCATGTTAG CCAGGATGGT      38940

CTCGATCTCC TGACCTCGTG ATCCACCCGC TTTGGCCTCC CAAAGTGCTG GGATTACAGG      39000

CGTGAGCCAC CGTGCCCGGC CTACTTCACT TTCTTCATTT AAAAAAGAAA TGGGGATAAT      39060

AGTACCTATC TCATAGAATT ATTGTAAGAA GTGCATGCAG TAATGCATGT AAGTAGGTGC      39120

TCAGAAGAGT CGGACACGAA GTAAGTGCTT TTATCATCCT TATCATAATT TTCATTATCA      39180

GAACAAGGAG AGACCAGGTA GAAAATTATT GTGATTCTTC AGGTCTGGAA TACTAGAGTA      39240

GCATCCCAAA TGAAGGCACC ATTAAACTTT GCAAATCTGT ATGACACCTT CATGCCAATT      39300

AGAAAAAACA CCTCTTCACA ACCCCTTTCA AGATATTTGC CTCCTACCTG CTAAAAACAC      39360

CCATCATACT ACCCACAGAT AGCCATGATG CTTTTTCTGG GACAGGTGCC TCTTCCATTC      39420

GTGCAGTGTA CAGCCTTCAT AGCTGTGCAA CTCACATCAC AATCAGATGG AAGAATCCCC      39480

AAGGCTTGGT GACAGATGAG TTACTGGGTA ACACAGAGAG AGGATTCAAA GGAAAAGTTG      39540

AACGGGTCCA GAAAATGCAT AGATACATGT GTAAAAATCT GGTAAGGTTA TGACTAGCCA      39600

CGTCCCAGGG TTCAAAGCTT TTCTCAGATG TTAAAATGAA TCATGTAAGT CCCCCAAATT      39660

TAAGGAGTCC TCTTCCAAAA ATAGGAAATG AAATGACATA GGTGTATGTC TCTGAGGTGA      39720

CGGAGGAAAT GAAGGAAGCC TCTAGATGCA GCTTGAGGTT CATGAGAGAC AGTTCCAGGG      39780

GAGAGGTCAC AGCTAGGGAT CACCGGCATG CAGGAACTCA GAAACCTAAA TGGGGAAATC      39840

TTTTTGAGGA AATGAACAGA GAAGGCTAAA ATCAAGGAGT TCGTCAGGCA ATTTCTATGT      39900

TTAGGTTCAA CTCTCTCCTG AAACATGAAG AGCTCATAAA TGCACTCCCT CTTTGAGTCT      39960

CTAGTTTTGT CTCCTTCCCA CAGTGAGTCT GCAGGCTGCG TGTCACTCAC GTTCAGCTAA      40020

GACGTAGTGC CCCATGGCTC CTCCTGTGGA GACAAGAGAC CCAGGAAAGA GGCATCACAA      40080

ACCTAGGCAC CATCTTGCCT CTTCTCTCTT CCTTATTTTC CTCATTCACC CATCTCAATT      40140

TAGACCTGGG CACTATTGGA TTTCAAGAAC CATTATCTCT CATCTGGAAA TGCTTATTGG      40200
```

CTTTCTAACT GGTCTCCTCA CCTCTCATCT AACTTCTTAA CAACACATTC ACCATATAAG 40260

GGAGATCGTG GTCCTCCTTT CTTAGGATCC TTCAATGACA CCCCAGTGAT CATAACCCAA 40320

TATCCCAAAA GACCCTTGGA CTCTGTATGA GCTGGCTTCT TTCTGATTCT CTTTTCCCTA 40380

CACCACAGAT GTTCAGGGGG TAGAAATGCA TAATTGGTGA GTGATAGCTA CGCAAACTCA 40440

GGGTTAAGGT ACAGTAATTA TTTCTAATCT CCCAGTATGC CTTATACTCT CCTACTTGGC 40500

ATGGTTGCTC CGTCTGTGTA GACCTCCCAT CATCTTCAAC CTCACCTAAT GGAATCCAGC 40560

TTCTCCTTCA AGATCCAGAA GGCTATCTTG ATCCCAGCT GAATGTGATC ATTCTTTCCT 40620

TTGACACCCT AAGCATTTGC TTCCTGCCTG CTTTAGGACC TCATGGGGTC TTCTTTAACT 40680

ACATTTACTT GCTATCAATT TCATTCCCTA CCAGATTTGG GTTCTGAGAA TAGCCACAGT 40740

GACTTCTCAA CCTCAAAGCC CCTGTACTAC CTTAAACAGC TCTTGCAAAA TAGTAGGTGC 40800

TCTGAAGATG TTTGTTGAAT TAGAGACTTT CATTCTGGGG AGAACCATTA TTTTCTGTCT 40860

CCCAGGGAGC TGCTGGTGTC CCCAAAGAAT ATAAATGAGA AAAATGCTTC CCATGGATGC 40920

CAGATCCCCT CTGCCCCTCT TCCCACTGTG CCCTGGGGCA GAGGTACTAA GAGACTTCCC 40980

CCTTGTTCCT ACTCACTTGA ACCCTGCCTC TTCCTTAATA TTATGAACAA AATTCCAATG 41040

AACAAGATGA CGACAAAAAC AGCAATTCCA CTGATGACTC CAATGACTAG GGTGCCAGAC 41100

GGTGAGGGCT CTAAAACAGA AAAAGCAAGT TAAAGCCTTT GATTGCCACC CTCAGCCCAC 41160

CCCCTAACAA AGAGCAGATC CTCATCTCAC TGCCATAATT ACCTCCTCAG GCACTCCTCT 41220

CAACCCCCAA TAGATTTTCT CAGCTCCTGG CTCTCATCAG TCACATACCC CAGATCACAA 41280

TGAGGGGCTG ATCCAGGCCT GGGTGCTCCA CCTGGCACGT ATATCTCTGC TCTTCCCCAG 41340

GGGGTACAGC CAAGGTTATC CAGCCCTGGT AGGTCCCATC CCCATTGGGC AATACGTCTT 41400

TAGGTTCGAA CTCCTTGGCA TCCATTGGCT GCTTATCCTT CAGCCACTTC ATGGTGATGT 41460

TCTGGGGGTA GTAGTTCAAG GCCCGACACC GTAGAGTGGT CACTGAAGAG GTCACATGAT 41520

GTGTCACCTT CACCAAAGGA GGCACTTGAC AGGAAAGAGG AAGGATGAGG AGAGGGGATC 41580

TGTTACCCT TGCCAGGAAG ACTGGAACTT TCACTTCCTT CTATAGGTTG GAGGAAGGAA 41640

ATACCCTTTT CAGAAAAAAA CAAGCTACAG GAGAGACACC ATTTTGTGTC CTAAGATTGG 41700

ACTCTAACAC AGTGTCACTT GGAGAGCAGT CAGATCAGCT TGTTCTCCTC ACATGTAAAT 41760

ATACATATCT GTTACCCATG TTCTTTGTTC TGATAGATAA AATTGCCCTT TATGTGCATT 41820

GAAAATGATT GAATACAGAT GGTCAGTTTC ACCTGGGTCA ACCTAGGAGG CATTGTTATA 41880

-63-

```
AGAAGCGGAC TTGTAAGATA GGTAGCTTCA GTGATTATTG CTATGTTCTA TGAAAGAAAC      41940

TTTTAACCTA AAGGATTCTT CTACTCTGAT AAGTGGCCTC ACTTGATATT TTGTCCTGGT      42000

ATTCATATGA TAGCTGAGAT CTCTGAATTC TCTTTTTTTT TTTTTTTTTT TTTTAAGAT       42060

GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTTGGCT CAGTGCAACT      42120

TCCGCTTCCC AGGTTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT GGGACTACAG      42180

GTGCGCATGA CTGTGACCAG CTAATTTTTG TATTTTTTA GAGACGGGTT TCACCATGTT       42240

GGTCAGGCTG GTCTCAAACT CCTGACCTTG TGACCACCCG CCTCGGCCTC CCAAAGTGCT      42300

GGGATTACAG GGGTGAGCCA CCGTGCCCGG CCTTGACATT TCTGAATTTT TAACAGGTAT      42360

AAATATACAA AAGATTATTG GTTAAATAAA AAGCAAGGGC CATAGACACT TCCCTTTGAG      42420

CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT ACATCTCAAT      42480

TATAAGGTAG AGACTCTAGG ATTGAGAAAG TCCCTTCCCA GAATTTGGAG AGGCACACAG      42540

CCTCAGCCAC CTCTGAAACT CCAACCAGGG ATTCCGTGCC CTGCAACCTC CTCCACTCTG      42600

CCACTAGAGT ATAGGGGCAG AAGTGTGTTT CCACCATACC TTGTTGGTCC AAAACACCTC      42660

TCCCCAGCTC CAGCAACTGC TGCAGCTGTG CAGGGCAGTC CCTCTCCAGG TAGGCCCTGT      42720

TCTGCCTGGC CCGAATCTTG TGCCTTTCCC ACTCCAGCTT GGTGGGCCAG GCCCTGGGTT      42780

CTGCTGCTCT CCAATCCAGT GTGTCAGGGC AGAATTCAAG GTGGTCCTGC CCATCATACC      42840

CGTACTTCCA GTAGCCCTCG GTACTGTTGT CTTCTTGCAT TTCACAGCCC AGGATGACCT      42900

GCAGGGTGTG GGACTCTGGA AAAATCCCCA GCCTTGTTAA CTGCAACCAA AGGAATAGGT      42960

CCCTATTTCC ACCATCCCCA AGGACCAAAT GATCTCAGGA AGCAAATTCC TTCCCTCTTC      43020

CCTGCTCCCA CAAGACCTCA GACTTCCAGC TGTTTCCTTC AAGATGCATG AAAAGATGAA      43080

AAGCTCTGAC AACCTCAGGA AGGTGAGGCC CCCTCTCCAC ATACCCTTGC TGTGGTTGTG      43140

ATTTTCCATA ATAGTCCAGA AGTCAACAGT GAACATGTGA TCCCACCCTT TCAGACTCTG      43200

ACTCAGCTGC AGCCACATCT GGCTTGAAAT TCTACTGGAA ACCCATGGAG TTCGGGGCTC      43260

CACACGGCGA CTCTCATGAT CATAGAACAC GAACAGCTGG TCATCCACGT AGCCCAAAGC      43320

TTCAAACAAG GAAAGACCAA GGTCCTGCTC TGAGGCACCC ATGAAGAGGT AGTGCAGAGA      43380

GTGTGAACCT GGAGACAGAG CAACAGGCCT TAACCATGTG TAGTAGGAGG GGAGCAGGAT      43440

GTTGAGGCTC CACACACCTG CATCAACTCA TACCATCAGC TGTGTCTGGT CCTCATTTTG      43500

TGAAGGGTGA GTTGCAGTCC TGTCTTTCTT CCATATGACA GTCCTGGGTG CTCTTTCCTT      43560
```

```
GTGTGCTTTT CTCTGCCACA CGTGGCTGCC ACCCCCTCAC TGCCCCCAGA TCCTATTCCA    43620

ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTAGAAAATG TTAAGGTGTG    43680

TCTAGCCATG GTAGTTGAAC TCAGGAGTTG GTGCTCAGGG CAAATTAGAC CCAAATCCTG    43740

AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTGAGA CAGAGTCTCA    43800

CTCTATCACC CAGGCTGGAG TGCAGTGGCA CAATCTCAGC TCACTGCAAC CTGCACCTCC    43860

TGGGTTCAAG GGATTCTCCT ACCTAAGCCT CCTGAAAACC TGGGACTATA GGCGTGCGCC    43920

ACCACACCAG GCTAATTTTT GTATTTTTAG TAGACATGGG GTTTCACCAT GTTGGCCAAG    43980

CTTGTCTCAA ACTCCTGACC TCAAATGATC TACCTGCCTC AGCCACCAAA GTGCTGGGAT    44040

TACAGAAGTG AGCCACCGTG CCCAGCCTTG GTCCTGAATT CTTACACTGA ACTGCCTATG    44100

TGGCCTCACC ACTTGGAAGC CTGACTGGAA TCTCAAACTT AACATGTCCA AATGCAGATC    44160

CTTGATTTAC CCCAAACTGC TCTTTCCTCT GCCTTCACCA TCTCAGAAAT GGCATTGCCA    44220

ATTACCCCAC TGCTCAGGCC AATAAAATTA AAATAAAGAA CAAAGTCAAC TTTAACTCTT    44280

CTCTTTTTCA GGGGGTCAGG GGAGACAGGG TCTTGCTCTG TCACCTAGGC TGAAGTACAG    44340

TGGCACAGTC ATGGCTCACT GCAGCCTCAA CTTCCTGGGC TCAAGCAATA CCCTCCACCT    44400

CAGCCTCCCG AGTAGCTAGG ATCACAGGTG CATGCCACCA CACCCAGCTA ATTTTTGTAT    44460

TTTTTGTAGA GAAGGGGTTT TGCTGTGTTG CCCAGGCTGG TCTTGAACTC CTGAGCTCAG    44520

GAATCTGCTC TCCTTGGCCT CCTCCTTGGC ATGAGCTACT ACACCCAGCC AATTCTTCTC    44580

TTTCTCTCAC ACAACATAGA ATCCTTCAGC AACTTCCTTC AGAATATATT CAGGAGACAA    44640

TGGTTTGTCA CTCCCTTTTC TGTTCCCACC CAGCCCACTC CACTACCTCT TGCCTGGACT    44700

GTGTAACAGC TTCCTGGCTG GGCTCCCTGC TTTTACTGTT GCTCCCTTCA TTCTGCTTTC    44760

CACATAGCAG CCAGAGCAAT CTTTTAAAAG CCTGTGACAG ATCACTGTTA CTCCTTGGCT    44820

AGAATTCACA CCACAGCCTA CAGGCGCCTG CACAACCTTG TTTGTGGCTC CTCTTCTGAG    44880

CCCATTACCT ACTTCTTGGC CTCTACTCCC CAGCACTACT TGTTTATTTT TTTCAACCCG    44940

AGCTTCTTAA CCAGGAGTTT GTCTACTAGG TGACATGTGG CAAAGTTTAG AGACATTTTT    45000

GGTTGTCAAG ACTGGGGGAG TGCTCCTAGC ACCTAGTGAG TAGGGAGGAC AGGATACTGC    45060

TAGACATCCT ACATGCAGAT GGTAGTCCCC CTTCCCACCC CCACGCCGCC CCCCCCCCCC    45120

ACACACACAC ACATGAGTAG TGCTGAGAAA ACCCGCTTTT TAATCCAACT TGCCAGGCCC    45180

ACTCAGTTTG CCTGGGAAAT ACTGCTCCCA GTCAATATCA TTCTTATTTC CTTCATGTCT    45240
```

-65-

CTGCTCAAGT GTCAGCCCCA GAGTGACTTG CCCTGACTTC TCTGCTTCTC ACAACACCCA   45300

TGATTTCCTG ATGTTGTATA TCTTTCTGCT CATTTGCTTA TTGTCATCTC TCCCACTAGA   45360

ATGCAAAATA TCAAAGGGTA AAGACTTGTT TCCCTGCTCT CTCCCTTGGG GCTTGAACAG   45420

TGCAACACAT GGCTGGGACT CATTTACACT TGTAAACAAT GAATATTTCT GCTCAACATG   45480

AAATTTTATT ATTCAACCTC TAATGCAGTG TGATGTTTAA GAATCATAGC TATGAAGTGG   45540

AGACATGAGC TCTGCCACCA AAGCCCAGTG TACCATTGAA TAAATTTGCC AGGAAGCAGG   45600

CCGTGCCATG CCTCATTCTT GTCATGTGTA AAATGTGGAT ACACGTAGTA CCAAAACTCA   45660

AAGTGCTGTG CTGAGGCCGG CGTGTGACCC ACAGAACACT GTGCTACACT ACAGGGCAAA   45720

ATCACTGTCA ACTAAGATTA GAAGCAGCTG TAGTACTTGA AATAACATCA GAAAACCAGA   45780

TTATTTATGT TCTTTGTAAC CTGAAAAGAG TTATATAATC TGAATTCCAG TTAACTTCTA   45840

GTAAAATAAA CGTATTATTA GCTCCTACCT CCCTATGCCT AGTGAAAATC AAATAAGATC   45900

AGATATGAAT GTAACTTAGA AGTGAGTGCA TTGCTTACAT GTTCATTATC AGTACTTTGT   45960

AGAGAGGCCT CTTAATTACA CAGCACATTG CAAATCAATA AAGCCTAGCC GAAAAGAGAA   46020

TTGTTCAGTT CAAACGTTCA AAACTAACAT ATACTTAATT TTCCAGGCAA AAGAACAATT   46080

GCCAAGAGTG GGGAAAGGCC CGAGGTAGGC CTCTCTCAGG AGCCTCCCAC CCTAGAGACC   46140

TCCACCCCAG GTCTCACCAA AAGTGGGTGG AATGGTGAAG AATTCAGATC CCCAACGCCA   46200

CTCTTTCGCG CCCCCACCGC CCAACGCATT CGTTCTGAGG TGGAAACCCC GTGCGGATCC   46260

TGCTGTGGGT TTGCTCAGCC TTCTCGGCAA GCACTCAGGG AAGAACTTCC TGTTTGGAGA   46320

TGACTGGGGA AAAAACTGCA CAGCTGACAT TGGAAATAAA CCCGAGTTCC AGGTTCAAGG   46380

AGCCCCAGGC TTAGCTCAGC TCAAGTGAGG AACTACGAGA TTTATTTAAA AGCATTCTAG   46440

TTGGGGGAAG GGAGTGGGCG GTTCCAAAAG TCACTCCGCA GAGCCGGGAC AGCCGGGGGA   46500

GGGGGCAGGT CCTGGGGCGA GGGACCCCTA TCTGCAGTTC AGTGGTAGGC ACTCCCTCAC   46560

GGGGTCTGGA CGCAGAAAGT AGGGAGAGGG GCTTGCGGAT AGGGTTGAGC AGGTCCTCCA   46620

AAGTTAGCAA ACTCCCAAGC GCAAAGAAAA AGCTAGTTTC GATTTTCCA CCCCCGCCGC   46680

GCCCCTAGTT CGCCCGCAGC CCTCGGACTC ACGCAGCAAG CGCCCCTGCA GGACCGCGGT   46740

CTGCAAAAGC ATCAGGAGGA GAAGCGCCGG CCTGGCTCGC GGGCCCATTT CCCCAGCTCT   46800

GGCCGCACGT CCCCGTTAAA TCTCCGCTTC TTTTGGGGGG CGGGGAAACG GGGATGGCTC   46860

CAGAAGTCAC CCTACAGCTA TTGCCTAGGC TCAGGAGATG CCCAGTAAAA CTTCCTGGTG   46920

```
AAAAGCAACA GGTCTTTCAG AACTTTAGTT CTCTCTCTCC TACAGCAGAA GGTACCTGCT     46980

TGTGAAACAC TAGGTGATCC AGTGTCCCCC TTGGTTTTTA AATCCTGAAG GGGTGTTGTT     47040

GATTGGGGAA AGTAGCTTCG CAATGTTCTG ATCTGAACTT TAGATATTTA AATATTTATG     47100

ATTTTCAAAA TTCAATCATA CATTTAAAAA TTTTATCTCA ACCTTAGACC AACTTATGTC     47160

TTATTTGACT TAGAAATATA AAGCTTTTTC ATTTGTTTT TTGATTCAAA TTAATTAAGT      47220

CATAACATTA ACCAATTAGA TCCTACTGAA ACACCTTCCA CAGCCTTCAT AATTGAATTA     47280

TCTGACAAGT GTTTCACAAA CTTTACAGTA TTGGGATTAT CTGGAGAATG ATTAAACATA     47340

TTGAGGCCTG CTCCTAACCC CAGACACACT GATTTAATGG GTAATTGTTA GGTAGTTAGA     47400

CATTAGCAGT TGGGAGGGGA TGACAGAAGA GAGCGGAAAG GCTGTCACTA AGACAGCCAC     47460

TGGCCCACCT AAATTCAGGC CCAAGACTAC CCTAATGCCA CCCTAAGGGA TGGAGTTTAT     47520

GATAAAGTCT GTGGCCAAAA TATCCTGGAG AAAGAGAAAG GAGGGTACAG GTGGAAATTC     47580

CCTAAGGTGG CACATGCCCA ACAACACAAA AGCCTGTCTT CAAGTTCACC CCAAGTTCAT     47640

CATGCCATCA TTATAATAGA ATTTACATAC AGTTTTGCCC CCCCATCCCT GGGAGGCTTT     47700

TCTTAACAAA TTATAGGTAA GACCATGCAC AGTTTAATTT TAGATTGTAT AGCTATACAC     47760

TTCAATCAAA TAACATCATC CTGTCACTCA GATACAGCCC AAACCTCAAC TCCTCCCCAC     47820

AAACCCCATA AAAGCACCTT GAGCTCTGTA AAGAAGTGCT GAGTTCACTT CGCAGAAATA     47880

AGCCCGCTGT CCCTCAGAGT GTATTATTGT GCTTCAATAA ACTTTGCTTT AAGCTTGCAT     47940

TTTGGTGTTA GTTTGTAGTT CTTTGCTCAC TATCACAAGA ACTGAGATTG CTGGTTCAGA     48000

GCTCCGGCTA TAATAATCTC CTCGGTTAAA GGATCCATCC CAATGCATAA TTCCCAGTAA     48060

CAGTATGGGA TGCCACCTGG GCAATGGGAT TTTAAAAGCT TTCCTTCTCC CTCAACGAAG     48120

TTTGGGAATT ATTGCCTTAG ACATTTCAAA CAATATTAAT AAATTTAATA CACCTGATTT     48180

GCTCCAAACC TTTACATATC TAGCAAATTC AACAGGCATT ATTTTTGTAA GCATGTATGC     48240

AAATTTTGGC AATTCAAGAA AATCAAACAG GATATCAGGG CCTCGACTGT AGGCAAACAG     48300

ATACAATAAC ATTGGAAACA TGTAGAATAT TGATGATGGG CACATTGGGG CTGATAGTAC     48360

TATTCCTTTT TTTCAATTTT TGGTAAGATA TAATTAGCAT ACCATATAAT TCATCTATGT     48420

AAAATGCAAA AATTGGCCCG GCTCAGTGGC TCACGCTTGT AATCCCAGCA CTTTGGGCGG     48480

CCGAGGAAGG CAGATCACCT GAGATCAGGG GTTCGAGACC AGCCTGGCCA ACATGGTGAA     48540

ACCCCGTCTT TACTAAAAAT ACAAAAATTA GCCGGGCGTG ATAGCAGGCA ACTGTAATCC     48600
```

-67-

```
CAGCTACATT AGAGGCTGAG GCAGGAGAAT CGCTTGAACC CGGGAGGCGT AGGTTGCAGT    48660

GAGCTAAGAT CGTGCCATCA CACTCCAGCA TGGGAGACAA GAGCAAGACT TCATCTCAAA    48720

AAAAAAAAAT TAGCTGGGTG TGGTGGCATG CACCTGTAAT TCCAGCTACT CGGGAAGCTG    48780

AGACAGGAGA ATCGCTTGAA CCTGGGAGGC GGAGGTTGTG GTGAGCCGAG ATCATGCCAT    48840

TGCACTCCAG CCTGGGCAAC AAGAGCGAAA CTCCGTCTCA AAAATAAAAT AAATAAAATA    48900

AAATGCAAAA ATTAATGGAT TTTAGTATAT TTACAGAGAT GTGCAACCAT TACCAAAATT    48960

TTACATTTCT ATCTCCCCAA AAAGAAACCA TGTTCCCCTA ATTCAGTACC CTTAATTCAT    49020

CGCCTCCCAG ATTCCTCCAT TCTCCTCCTC CTCCCCTCCC AGCCCTAGAC AATCTTTAAT    49080

CTACTTTCTT TCTATTTGGA ACATTTAGTA TACATAGAGG CATATAATAT ATTGCTTTGC    49140

CGTGACTGGC TTCTTTCATT TAGCATAATG TTTTTATGTA TGTTTTTCAT GGACCAATAA    49200

TATCTATTAT AAGGACATAC CACAACATAT TTTATTTATT CATTCATCAG CCGATGGACA    49260

TTGGTTTGTT CTACTTTAT GGCTATTGGG AATAGTGCTG TTATAAACAT TTATGTACAA    49320

GTTTTTTTGT AGACTTATGT TTTGATTTCT TTTGGTTATA TATCTAGAAG TGGGTTTGCT    49380

GGGTCATATG GTAACACTGT TTAACCTTTT GAGGAATTGC CACATTCTTT TCCAAAGTAA    49440

GCATTTATC CTCCTATCAG CAGTGTATGA GAGTTCTGAT TTCTCTCCAT CTTTGCCTGG    49500

GTTTTTGAAT CAGGGCCCCA GATAGAACAA AAATGTGGTT ATTCAGTTGT TCCACCATCA    49560

CTTGTTGAGA AGACTCTTTT TTCATTGAAG TGTTTTGGCA CCCTTATCAA AAATCAATCT    49620

ACCATAAATG TGAGAGTTTA TTTCTGGAGT CTCAATTTTA TCCCATTATG CTATAATCTA    49680

TAATCCTATC TTTTTTTTTT TTTGACAGAG CCTCACTCTA TTGCCCAGGT TGGAGTGCAG    49740

TGGCCCAATC CCGGCCACTG GCTCCTCCTC CCAGGTTCAA GCAATTCTCC TGCCTCAGCC    49800

TCCCAAGCAG CTGGGATTAC AGGTACCTGC CACCATGCCT GGTTAATTTT TGTATTTTTA    49860

GTAGAGACGG GGTTTCACCA TGTTGGTCAG GCTGGTCTGG AACTCCTGAC CTCAGGTGAT    49920

CTGCCCACCT CAGCCTCCCA AAGTGCTGGG ATTACAGGCA TGAGCCACCA CACCCAGACT    49980

ATAATCCTAT CTTTATGTCA GGACTACACT GTCTTGATTA CTATAGCTTT TTAGTAAATT    50040

GAATTCAAGA AGTTTCTCAA CTTCAAATTT GATCTTTTTT TGGAAGACTA TATTAGCTAT    50100

TCTCAGTCTG CTGAATTTCC CTAGGAATTT TAGGATCTAT TATCAATGTC TATTCTATTT    50160

TTGTATATGT TTTAATATTT TCATAAGAAA CTTTTTTCAT TTAAACTTTT TTTTTAAGA    50220

AAAATAGTGA AAATCAGAAC ACTGGGGGTC AGGCGCATTT AACAGGCAGA AGAAGAATAA    50280
```

```
AAACTTGTCA TATAAACAAA AAAGAAATGA CCAATCACAT TGTGGAAGCC ATGGAGTGGT     50340

TATAGGTGCC AAAGGCTGCA GAGAAATGGT GTCAGATATA CCTGAAAATT GTCCATTGTA     50400

TTTGGCCATT AAGAGACTTA GAAGACTTAA GCCATAGATT GCTCAGTGAG ACCCCGAGGG     50460

CAAATGGTCT GAAGGTGAAT AGATCATTTC ACCTTTAAGA GAGCAGGTAG GAAGCTATAA     50520

ATCCAAGATT AAAAAGTTGA CTGAACTGTT AAGGAAGAAA CTCTAATCTT GAGCCACCCT     50580

ATCCTGGCTC CACCTTCTGC TGCAAGCAAA CAGAAATGCT GAAATTCAAC ACTCACAAAG     50640

GCTGGTAAGC TGGAAATGAC AAAAATTACT CCTGGGAAAG TCAGATTTAG AATTAGGCCA     50700

TATTTGTTGG GGTTCAGATT TTCATGTACA CTTGGGAAAG GGTTTAGCTT ATAGGCACAT     50760

GCATGAAGGG AACTGGTATA GGGCTGTGTT CATAAGGTCA AGAGTTGAAG GCCAGGCATG     50820

GAGGCTCTTG CCTGTAATCC CAGCACTTTG GGAGGCCGAG GCAGGAGGAT GGCTTGAGCC     50880

CAGGAATTCA AGACCAGCCT GGGAAACATA GGGAGATGCT GTCTTCACAA AACAATTAAA     50940

AAATAAAATT AGTCAGGTGT GGTGGCACAC ACTTGTGGTC CCAGCCACTC AGGAGGTTGG     51000

GAAGATCACT TAAGCCTGGG ACATTGAGGC TGTAGTCAGC CATGATAGTG CTACTGCACA     51060

CCAGTCTAGG TGACAGAATG AGACCCTGTC TCCAAAAAAA GAGCTGTATC CACATCCCAG     51120

GAAAGTGGTT GAAGATCTAC TTTTCTCTGT AAACCTAATA AAGAATAGAG TGACAAATGT     51180

GTGTTGTGGA AAGAAATGGG GTGAGAGCTA CGTAGATGCA AAACAATACA TCCCCACATA     51240

CCACTTGTTA ATCATCCTTT TCCACCCACT TATGGGATGA ATTGCATCTC CCCAAAAGAT     51300

ACTCTGTCCT AACCCTCAGT AGCTGTGAAC CTGACCTTAT CTGGAATACG GTGAGTTCAC     51360

TGGTTAAGAA GAGATTATAG TGGAATAGGG TGAGTCCTCC AACCAATGAC TGGGGTCCTC     51420

ACAGACACAG AGGGATGATG GCCAGGTAGA GATGGAGGCA GAGATTGGAG TTATGCTGCC     51480

ACAAACCAAA CACAGGAAGC TGCTAGAAGT GGAAACAGGC AAGAAAGAAT CCTTCCCCAG     51540

AGGCTACAGA GGGATCTTGG CCCTGATAAT ACCTTGATCT CAACTGGCCT ACGTAACTGT     51600

GAGAGAATAA ATTTCTTTTG TTCTAAGCCA CCCAGTTGAT AGTACTTTGT TACGGCAGCC     51660

CTAAGGAACT TGATATACAT TTCTTTTACT GTCATAGAAG TTTTGAATCT TTTAAGTAGG     51720

TCTGTACCCT TCCTCCCAGT GTCAACACAT GGAATTCCTC TCCTTGTGCC TTGAAAAGTG     51780

AAAGGTGTTT GAACTGGTAA TGAAAGAAAT CTCAGCATGA GGCCAGATGC TGTACCTCAC     51840

ACCTGTAATC TCAGCACTTC GGGAGGATGA GGCGGGCAGA TCACTTGAGG TCAGGAGTTC     51900

TAGACTACTC TGGCCAACAT GGTGAAACCC CATCTCTACT AAAAACAAAA AATGTTATCC     51960
```

TAGCCGGGCA TGGTGCCTGT AGTCCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATTGCTT 52020

GAACCCGGGA GGTGGAGGTT GCAGTGAACT GAGATCACGC CACTGCACTC TAGCCTTGGT 52080

GAGAGAGCAA GACTTGGTCT TAAAAAAGAG AAAAGAAAAA TGAAATTTCA GCATTATAGA 52140

ATAAAAATGT TTCCCCTTCC CCCCAAACTT TAAAAAAGCA GAAGTCTGCA TCATAAAATG 52200

GTCTTTGCCA ATGTTATTTT TATTATAACA AAGGAATCTT GCAAGGCTAC CAGATCTCAG 52260

CAATTGTCAC TATGTTCTGT AAAAATCACT TCCTAAAATG TCTGAATTGA CTGCTTGTCT 52320

CATTTATTTG TTTCTCGTGT CATACTGCAA TGGATATCTG TCTTGTTAGT ATAAATATTT 52380

GTGCATTTTG TTGTTGTTAA AACAGCTTTT TTGGCCTGTC TTCTTCCACC TATGAGGTAA 52440

TATAAAACTC ATGTTTAACA CTTATTTTTG TAGCAGGACA AGCTACAGAC AAAACCCCTC 52500

AGACACTGAG TTAAAGAAGG AAGGGCTTTA TTCAGCTGGG AGCTTTGGCA AGACTCACAT 52560

CTCCAAAAAC CGAGCTCCCT GAGTGAGCAA TTCCTGTCCC TTTTAAGGGC TTGCAACTCT 52620

AAGGGGGTCT GTGTGAGAGG GTCATGATCG ACTGAGCAAG TGGGGGTATG TGACTGGCAG 52680

CTGCATGCAC CAGTAATCAG AACAGAACAG GGATTTTCAC AGTGTTTTTC CACACAATGT 52740

CTGGAATCTA TAGATAACAT AACCGGTTAG GTCGGGGGTC AATCTTTAAC CAGACCCAGG 52800

GTGCAACACC AGGCTGTCTG CCTGTGGATT TCATTCTGC CTTTTAGCTT TTACTTTTTC 52860

TTTCTTTGGA GGCAGAAATT GGGCATAAGA CAATATGAGG GGTGGTCGCC TCACTTATTC 52920

ACCCCCTTTG AGAATCTCAC TCATTAGTGG GAGTTCTCAC TTTTATTCTC ACTACCTATG 52980

TCTTCTTGAA AGACAGATTG ATAATGATTC ATATAGTACA CTTGTGCTGA AGCATTTTGG 53040

TGAGCTAAGG TAGTGATGAA GCTTTTTATC ATTTGGAGAA GTACAGGTAG CAAACAAGGA 53100

AGCAGTAAGC AGGTTTCTAT TAATATTATA ACTCCTATTA TAAGAGTTTT AAATCTTCTT 53160

AGCACTCGGA ACCATTTTTC AAACATGGCC CCAGAAACAA ATCCATACCA CACCTACATG 53220

GGCACATGTG CCACTTTTGT CATATTTCTA ACTATGTCTT CAACTACTTG CCCTTAATCA 53280

TCTATGTGTA GACAGCAATT AGTAAGGTTA AATTTCCTAC AGACCCCTCC TTCAGTTGCT 53340

AGCAAGTAGT CGAGAGCCAA TCCATTTTGA TAGATAGCAT TTTGCATCTG AGTTCTTGC 53400

CAGGCCACAG TAGTCAGGGC TCTGCTGGTC TTATTAGTAA TTATTCTAA GACAGCTTGT 53460

AACCGTATGA TTCAGTTGAG CATGTAAATG GGGGTCCCAT ATCCCCACAA GCCGTCTTGT 53520

GCCCAAGTAG CAGGCCCATA ATATTGTATG ATTCTCTCAG GGGGCCATTC ATTATTTTTC 53580

CAATTTTCTA TAGCTATGCT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTGCGG 53640

GAAGCATATA CAGGGAAGCC CAGGAGTTTG CCTGTCTTTA TGGGCAGTAG GAAGAAAGAT   53700

GGTTTAGTAG TGTCAATAAC ACAACTACCT GCCCACTGGT CAGGTAATTT GGCATAAGCT   53760

GTATGCCCAC ATATCCAGTA TAATCCAGTG GGGGCTGTCC AGTCCCGGTG GGACTCTGGG   53820

TGGGTCCACA CAGTTTGCAA CTTTGGGAAT TTACTAAATA GATTTTTCTT AGTGTGGTTT   53880

GAACTCCACT AGGTGGCTGT TTTTATAGTA CTATTATACA GTTTTTGCCC AAGGCAGCTG   53940

AGTCTTCCCA CAGGAAGGGT GAAGTCCTTC CCCACTTTTG CTATACAGTA TTGTCTAATG   54000

ATTGAGGCTT TTAGGACCCA GAAGTTATCA GGGTGAGTCT TTTGAGCTGG GAATTTATCA   54060

GGAACTGGGT CTGTAGGTAC TAATTCTCGT GCTTCCCATG GCCATTGATC TCCCATTACA   54120

GTTCCTCCAC ATACATACAT AACATGAAGT GACATTGAGA GACTGGGCTA CATGCTCAGC   54180

TAATTGCAAA AACAAATTTC TTGTTTTTCC TGGAATTTCT AGTACTGGCA CATTCAGTTC   54240

ATCATAAGAA GGTTTGAAAT ACTGGCTCAG GGGAGCATTT ATAAACTTCT CCTCAAACCA   54300

CCATATTTAC TCAAGGATCC AGTCCAGCCC CAACTATTTC TAAGGTTACA CGATCCCCTT   54360

TTTTCCAGTG AGAATCAAGG GGGTTGGTTA TTACTAGTTC TAAGGGGTTA CACTGACCAC   54420

TGGTACAGGA AGGGCCACTT TTCCCTTTCT GAAGGTGGAC AGGATTCTTT TTATTTTTA   54480

ACCAAGTTGC CTAAATGACA CAAGACCAGT ATCTACATTT ATTTCCACGC AGTCTTAATT   54540

CATGACAAGC GTACTTATTT TCTGCCATAT AGCCTCTTTC CTAATGAACA GAACCACATC   54600

CTATTTCTAA CTTATTACTA TTAATGACAG CACAGGCATC AAATTTCAAG GTGACTTGTT   54660

TGGGCATTCC TTTTTCTTCT GTTTTGGCTA ACACTTTACT CGTATCGTTT ATGAACCCCC   54720

ACCAGTCCTC AGTCCTCAAT CTTATTTCAA AAACTGTGGT CGTGGGAGGC TCAGATGGGT   54780

CATAACACAC ATCAGGTTGG TCATTTCTTG GGCTACCTAC CTTGTATAGA ATAGCATTAT   54840

ACAAACAAGT TATTTTTAGA GTCTTTGTAC ACTTATAATA ACCATAAAAT AATAAGACTG   54900

TAGCAACTTT TTGTCCTACC TCAGTGACTT GATGTATACA CTGGGAACAG CCCTCAGTCT   54960

GAGGAAGGTT AGTTGAAGTC TTTACTGTGC AAGTCCAAAT TTTAAGGAAA ATGAGTCCCT   55020

TGATGAGTTT TCTCATGTTT CGGCCATGCA TGGACCAGTC AGCTTCCGGG TGTGACTGGA   55080

GCAGGGCTTG TTGTCTTCTT CAGTCACTTT GCAGGCGTTG GCGAAGCTGC CACGTACAGC   55140

TCACAGTCTA CTGATGTTCA AGGATGGTCT TGGAAGTTGG GCCCACTAGA ATTAACTGAG   55200

TCCAATACCT CTACTCAGTC ACTTTCAACT GGGCTTTCTG ATACCAGGAG CAAGGTGGCA   55260

GGTTTTAGGG TGTTGCAAAT TTCAATGGTT ATGCAGGGAT TTTCACATAG CAAACTTTGG   55320

-71-

```
TACTTGGTTA ATCTAGCATT TGTTAGCCAA TGATGTATTT ATTAAAGTCA CCACAGCATG    55380

GAGGGCCTTT AAGTTTAGGT TTTGTCCAAG AGTTAGCTTA TCTGCCTCTT GTGCTAGCAG    55440

GGCTGTTGCT GCCAAGGCTC TTAAGCATGG AGGCCAACCC TTAGAAACTC CATCTAGTTG    55500

TTTGGAGGCC CAGCCTCGGC CAGGGCCCCA CAGTCTGGGT CAAAACTCCA ACCGCCATTT    55560

TTTCTCTTTC TGACACATAG AGTGTAAAGG GTTTTGTCAG GTCAGGTAGC CCCAGGGCTG    55620

GGGCCGACAT GAGTTTTTCT TTTAACTCAT GAAAAACTCA TTGCTGTTGG TTGTAATAGA    55680

TGTAGTTTAT CCAATCTACA TTTTTATTAA CTGTCACCCA CCAAAATATT GACTCAAATC    55740

CTGCAGCTAT TTGATTTTGG GATTTAAATT GATCTGCTAT TCCCTGTGGG ACTCCAATTG    55800

CATCTAAATA GATGTGAGAG TTGAAAGACA CATAAGGGTC TTCTCTTGCT TTACGATGTC    55860

TTATTTTTCC TCCCTCTGGT TGATGAAATG CTAGGGTGAA AGGGATAGCC AATTGGACTA    55920

AAGTACAAGT GCCGCTCCAG TTATTTGGCA GAGTGCCCAG TAAAGGTCCA CCACAATACC    55980

ACCACACATC CGCTTGGGGA TGAACAAAGG CTGACTGATT GAGAAGCTCC TGAAAATTCT    56040

TAAGCTCACT GCATCCCTTC AGGTCTCCAA GGAATGCTAA GTTTCCTCCC TGTCATGAGA    56100

GACAAGAAGT GAACTTAGTT TTGGGAGATG GAAGCTGGAT GGCCCTCAGG GGTTGACCTG    56160

CAGGGTGCTG GACTTTGGGA TATAGCAGAG AGAGCTTGGC ACGACTTATT ACTCCAGGCT    56220

GTAGAATCCT GGAAAACAGT TACCATGCAG CCCATGCCTG GTCAACAGGA GGACCACCTT    56280

AGTGGAAAGG GGATAATCTG GCCCTCTGGC CTGCCATGTG CACAAGCATA ACAATTGGTT    56340

TTGTTTAATG TGTGGACAGA ATATTTGATC CATTCCAACT GGGCATTTGC ATCTTGGTAT    56400

CCTGCTTAAT TATCAAAGTT TGTTTTAAGT CTTTAACTTC TATGACCCTC TAGTAAAATG    56460

AATGTATGAT TTTAGGAAAT TACAAAAACC GGTTGGGGCA GTCCATCCTT GCTCTTTAGT    56520

GGTCCACACA ACATTCGACC AACTATGGCA TAAAAGCTCT ACATCGGGGG GCAAGACTCC    56580

TCGTTGACAC TGGGGTCTTT ATTGAAATCT CTCTGGAATA AATGGTCTCA GTTTACTAAG    56640

GCTCAGTCTG AGGAGAGTCA GGAGGGACAG AGGTACTTTT CTGAAGTACA GAGATGTCTT    56700

CGACTTGGCA AGTCCCCACA GGGTATAACA AGGCAAGCAT TAAATTCAAT AGTTTGAGGC    56760

AAAATTGACT TGGTTATGTT AATAACTAGA TGGTCAGAAA TAGAGTGAGG GAAGAAGAAA    56820

GAGTAATAGA ATAGATGAAG GAGTTAAATT TTTCTTAGCT TTAGTTTGGT AGGGTTTTCC    56880

CCTGGGACTA TGGCCCATGA CTCTGGAGGG GGTGGCACTT TCTTGACTCG GGTGTGATGA    56940

GTCCATCCCT TTTTCACCGT ATGAACAACA GTCTCGGTGG TTAGCAGCAC AAGGTAGGGT    57000
```

CCTTCCTAGG CTGGCTCAAG TTTTCCTTCT TTCCACCCTT TGATGAGAAC ATGATCTTCA   57060

GGCTGGTGCT GGTTTACAGA AAATTCTAGG GGTGGTACAT GTGCTAAAAG ACTTTTAGTT   57120

TTGAGGGAAA GGAAAGTGGA AGATAAACCA AGTATATAAC TTTTAAGAAG TTGACCTTTT   57180

GTTTTAAATG TGGGGACATC AGCAGTGGAC TTTATAGTCC TTGGTGCCTT CTTACTGAGA   57240

AATTTCCTTT AGCACCTATT TTTATTAGTT TTTAGACCAA AGAAAGTCAA ATGCCATTTT   57300

ATATTTGACA ACGCTTCTTG TATGTTTATA CCAGATAAGC TAGATTTCAC CTTTATATTG   57360

GTGTGTTATT AATGTTAAAC TTAGTTTTAA TAAAACTCTG TAGACATATT TATTTGATTT   57420

TTAATGTCTG ACCATAAGGT AAGATTTTTA TAGACTTTTC TTTAACCTTT TATAATTTTT   57480

GTTAAAGAAC AGGTTAGTGC TTTAAGAAAA ACCCGTTGTG TTTTTATTTT AATGTTCAGT   57540

TCACAGAAAA ACTGTATGAT ACCCCTTAAC TTTAGCCAAT ATGTTTAGAC ACAGAATTTT   57600

CTTTACAATT AAGGTTTCAA AACTTGCTTA AACCTTCAAA ACAATTTTTG TAACCTTTTA   57660

ATGTAGGTAA AAATCCACAT TCTTATGCAT CCTCATAATC CTTTTACCAA AGGTATATTT   57720

TACTTTCCTT ACATACCTTG CACATAAACT GTTTATTCAA TAGTTTTACA TTTAGAAGGA   57780

GGCCTAATTA CTTTTAAATT ATACAACATT TCTTACATAA ATTTATTTTT CTAACACACA   57840

TTTTTTTCAT GACTTTCACA GACAATTCTT CGACATGCCT CAACTTTCTG ACTTATTGCA   57900

AACATCCCTT TCTTTAAACA ACTAGTTAAT TTATCTCAGG ACAAGGATTT TCCATACAAC   57960

ATTCTTTTTT ATATAAATTC TGCCTCCTCT TTATTTCCTT TTTTTTTTTT CCGAGGATGA   58020

TAACCATTCT TTTCCAAAGC GAACTTCTTT TATGTCTGTG GACTAGACTG TCTAAGGCCA   58080

CAAGATTAGA AGTTACTATA ATACATGTTA CACTGTTAAC TTTTAGCAAA CTTTACTTTT   58140

GTTGAAAACC TTGTAAGTTT GGGATTTCAA TTATCCTTTG CTATTAATAA GACCTTATTT   58200

AGTCCAAATT AACTTAGAAT TGGTATAGAT GGCTTTTTTT TTTTTTTAAT TACCTGGGAG   58260

GAACCATCTA TCCTCCTGTC CTGAAGGGAG TTCCTCCTAG GTCTGGTCAG AGCTTTGTAT   58320

GGTAATTAAG ATTTAGATCC CCTGTTAGGA AACCTGCCGG GTTAAGAGAA TTTTCAGTGG   58380

TTAATGTTAA ATCATCTTCT TTTTTCTTTT TTCCTTAGGA TACTTCTGAA CCGGTGAGGT   58440

GTGCTCACAA TGAGGTTTCC TGTAAAAGTT ATTTTTTTAC TTTCTTCTGT TAGCAAAGCA   58500

GTTGCCGCTA CAGATTGAAT GCATTTGGGC CATCCGCGGG TTACTGGGTT AAGGATTTTT   58560

GATAGGAAGG CCTTAATGCT TTTGGAATAT GCCCTGACAA CAAAGTGCCA GTTCCTTCCC   58620

GGTGTTCAGC CACTGCGTTG ATCCTCCACG AGGGCCTGCC ACGTGCTGCT CTGGTGAGGC   58680

-73-

```
GTTCCACCGG GGCAATTGCC TACCTGGGAG CGCTCTCCAG ATCTGTGTCG CTCAAACTGG    58740

CTGGAGTTCC CCGTAGGGAT GCTCCACAGG GCAGGCCTAA GTCGCCTAAG GGGCTGCCTT    58800

GACCGTCCGT TAATCACCTC TGTCTCCAAA AACCAGCTCC CTGAGTGAGC AATTCCTGTC    58860

CCTTTTAAGG GCTTACAACT CTAAGGGGGT CTGCATGAGA GGGTCGTGAT TGATTGAGCA    58920

AGCAGCGGGT ACGTGACTGG GGCTGCATGC ATCAGTAATC AGAACAGAAC AGAACAGCAC    58980

AGGGATTTTC ACAATGCTTT TCCATACAAT C .TGGAATC TATAGATAAC ATAACCTGTT    59040

AGGTCAAAGG TCGATCTTTA ACCAGACCCA GGGTGCGGTG CCGGGCTGTT TGCCTGTGGA    59100

TTTCATTTCT CCCTTTTAAT TTTTACTTTT TCTTTCTTTG GAGGCAGAAA TTGGGCATAA    59160

GACAATATGA GGGGTGGTCT CCTCCCTTAA TTTAAACAAA ATTTTCAAAG TCCTACCCCA    59220

AGTAAATTGG CAAATATTAA TAAAGTTATG GCATAGAAAA TAAAAATGAT TGTAAAAGGC    59280

GTAAAGATAT TTCTGTGGGG AAAACATTTG TTCATTAGTT ATCAGTTAAA ATTCTGTGAA    59340

AAATAACCAC TAGAGACCCT AAAGTACCCA GGGGCTAATA ATAAGAAGGG AGGAACACCC    59400

TCTCACTCCC CACCGTTACC TGCCCAGAAG GGAAGAGGAA GAGGGTGACT CCAGGAGAGC    59460

TGTGGTCTCC CCTCCCCATA TGTCCACATA TACCTGACCT CCCCTCCCCA AAATATATAC    59520

CCAATATCTC TCCCATATAT ACATATTTAT CTGACCTCTC CACATATGTA TACCTAAACT    59580

TTCTCTATAT ATCCACATAT ACCTAACCCT CTCACACACA TATAGCTGAC CTCCAGTGGA    59640

GGAAAATGGG GAAGAGAGAA GAAGTTATCA AAGGATAAAT CTAGGTCATA CTCAGAAATG    59700

TGAAAAACAA AAACCACACA CAGAAAAAAA AAACACACAC AAAAAGAAA TTGATAAATT     59760

TGTTTGTGTC AAAATTAAGA ATTCCGGTTC AATGAAGGAT CCCATGGATA AAGTTAAGAC    59820

ACTGCTGTAA GGATGGTAGA GAATTAAATG TCTGAATCAG ACGAAAGGAT GAGTAATTAG    59880

AATGCACAAG GCCAAGAAGA ACAAAACAGA AACTCCACAT AAAAAATGTA TGAGGCCGGG    59940

CGCGGTGGCT CATGCCAGTA ATCCCAGCGC TTTGGGAGGC CAGGGCGGGC CGATCAGGAG    60000

TTTGAGACCA GGCTGGCCAA CATTGTGAAA CCCCATCTCT ACAAAAAATA CAAAAAATTA    60060

GCCGGGCGTG GTGGTGGGTG CCTATAATCC CAGCTACTTG GGAGGCTGAG GCAGGAGAAT    60120

CACTTAAACT CAGGAGGCAG AGGTTGCAGT GAGCTGAGAT CACACCATTG CACTCCAGCC    60180

TGGGTGACAG TGTGAGACTC TGTCTCAAAA AAAAAAAAA TTATATATAT ATATATATAT     60240

ATATATATAT ATATATATAT ATATGAAATA AATGAACAAG AAATTTAGAT ACAGGAAAAT    60300

CCAAAGCACT TGGTAATGAA AGAAAGGTAA AGTGATGTGT CCTTTTGCAT TTAAAAGAGA    60360
```

-74-

```
GCATTAACAA ATTAGAGAGC TGAATAATGC TCAGTATTGG TGTGGATATG GAGACTCAGG    60420

AATCCTCATA CACTGCTGAT GGGAGTGCCC ACTCCCTGGG AATATTTTCC AAATATCATC    60480

TCAAACATAT CCCATAAAGG TGACAGGAAA GTGTGGGCTG ACTGATATCC TTCACTGAGA    60540

GAGGTGGAGG TAAAATGAAG TCACTGCACA ATATAGAGTT GGAAGCAATG GATTAGATGT    60600

CCACATAGTT ACGTGGAAGA ATCCGTAAGA TACACACACA CACACACACA CACACACACC    60660

TTTGTGTATA TTGTTCCTGG CAGGTAGGCA TGGAGGTTTA GAGGCTTTCT ACATCACACC    60720

TACTGCACAC AGTAAATGGC CAGGCTGAGC ACTGACTTCC ATGAAGGGAG ATTGAAGGTA    60780

AGAGATTGAA GATTGTTCCC TGGTCTGGGA CCCTGCAACT GAATATGCAG AAAAAAGTAC    60840

ACCCCGCCAC CCCGCTTCCC ATCTTTCCTA CCTGATTAGA ATAGCTTTTT CAGAAAACGT    60900

TGGCCAGGGG TTGTGGCTCA CACCTGTAAT CCCAGCACTT TGGGAGGCTG AGGCGGGCAG    60960

ATCATCTGAG GTCAGAAGTT CCAGACCAGC CTGGCCAACA TGGCGAAACC CCATCTCTAC    61020

TAAAAATATA AAAATTAGC AGGGCATGGT GGCACACACC TGTCATCCCA GCTACTCGGG    61080

AGCCTGAGGC AGGAGACTCA CTTGAAGCAC AGTGATGGAG GTTGAAGTTA GCTGAGATCT    61140

TGCCACTGCA CTCCAGCCTG GGCAACAGAG TGACACTTTG TCTCAACAAC AACAACAAAA    61200

CCCACCAAAA CTTTAAATCT ACCTATGGCC AAATGCCTGC TAAAATGAGC ACCCAAGAAG    61260

CAGTGTTCAG GAAAGTCAGA TGAATACCCT AAAATTAGAT GCAATGTTGG CTGGTCACAG    61320

TGGCTCAGGC CCTGTAATCC CAATCCTTCT TGGGAGGCCG AGGCGACAGA TCGCTTAAGC    61380

TCAGGAGATC GAGACCAGTC TGGACAACAT GGTGAGACCG TGTCTCTACA AAAACGTACA    61440

AAAATGAGCT GGGAGTGGTG GCGCGCACCT GTAGTCCCAG CTACTCAGGA AGCTGAGGTG    61500

GGAGGATCTC TTGAACCCAG AAGGCGGAGA CTGCAGTGAG CAGAGATCAT GCCACTACAC    61560

CCCAGCCTGG ATGATAGAGC CAGACCCCCA TCTCCAGAAA AAAAAAATAA AGAGAGAGAG    61620

AGATGCAATA TTTAGGGTTC AACAAGACTG AATTTCTGAC TCCTTTCCCT ACCTCTCCAG    61680

CATGTTAGAT TCTGGGTCCT TCATCCTAAC CCCCTGTTCA TGCCATAGCC ACCCTGTGGT    61740

ACCAACTTTG GAAGCCTGGA TCTTCATCCC CTCATGATAA TGAGTGTCCC ATCAGGTCTC    61800

CATGCTCAGC TTGGCAAGAG TATCTGTCTT CTCCTCATGG GACGGTCACA TTCACCCAGC    61860

ACTGACAGGT TCCATTCCCA CTAGGGTGGC ACCCTATATG GTCTGAGTCC AGGCCTTCCT    61920

GGTCCCTCAG TAATCTCAGC ATGGTAGCAC AATCGAAAAG GGCTAGGCAC GGCAGCACCA    61980

TTTCCCACCA AGAGGTCTGA TGGCTCATCA CATAGACTGA AGGAGATTCT GAAGAGCAGA    62040
```

```
GGTGGAATGA AGAATGAATC GTGGGCTCTG CTCTTCCTAG GCCTGTCTTC CTCTCTCCCG     62100

AGATGTTAGC TAACTCATGA GAGCCAGAAA CCAACTGCAG GCTGGCCTCA GGCACTTAGG     62160

TAGTGCTTCA GCCTCAGCAG TCCACATTCT AGGAACCCTC ATAATATGGG TTGAAGTATG     62220

CATTCCCACA AAAATAAAGT TGTTGAAGTC CTAACCACCA GTACTGAAAT GGGAAAAGTT     62280

CCCTTGTCCC GCTCGCATGG CATGTGATAG GAGTGTGGCT AATTTCTTCA GTGCCTGGCT     62340

GCTCAAACCT CTAGGGGAAC ATTAAGACGG GCAGGTTGTG GGTCTCCAAC CCCATGACCC     62400

CACCACAGTG TCTAGGGTTG AATGTTTACA GCTCCTGAAG CCACAGTGGG TGTGTGTTAC     62460

AGGGTGCTCT TTTAGTTTTG CCATTTATAG GCAGCTGGTG TTAACCAACT CAATTAGACC     62520

GTCTACCTTG TCCCAAGGAC AGAAGAAGGC TTTCTGTATC CCAGGTTCTT GCCTTGGTGT     62580

ACCGGAATAA ATCAGACCAC ACCTGGGCTT AGAGAAAGAG TGCAAGGTTT TATTAAGTGG     62640

AGGTAGCTCT CAGCAGTTGG GCAAAGCCAA AAGTGGATGG AGTGGGAAAG TTTTCCCTTG     62700

GAGTCAGCCA CTCAGTGGCC CAGGCTCTCC TCCAACCACC CCAGTCAAAT TCCGCCTCAT     62760

TTTGCCAGGC AAACGTTTGT TGTGTGCTCT TCTGCCAGTG TGCTCCCCTG GACGTCCAGC     62820

TATTCGTGTC TTGTGGCAGG CCAGGGGAGG TCTTGGGAAA TGCAACATTT GGGCAGGAAA     62880

ACAAAAATGC CTGTCCTCAC CGTGGTCCCT GGGCACAGGC CTGGGGGTGG AGCCCTAGCC     62940

GGGGACCACG CCCTTCCCTT CCCCACTTCC ATATCATTTA AAGGGACCAT GCCCTTCCCT     63000

TCCCAGCACT TTCCCCCTCC TGTATCAGGA CCTGTGAATG TGGCCTTATT TGGAAATAGG     63060

GTCTTTGCAC TTCATCAGTT AAGATAAGAG TGGGCTCTAA CCCAACATAA AGGGTGTCCT     63120

TATAAAAAGG AGAAATGTCA TACACAGAGA CTGACACCTA TAGAGAGAAA ATGTGGTGAG     63180

TAGACACAGG GAGAATCACC ATTCAAGTCA AGCAATGAGT CTGGGGATAC CAGAAGCTGG     63240

GAGAGAAACC TGGAACAGAT TATCCCTCAT TGCCTTCAGA AGGAATCAAA CCTGATGATA     63300

CTTTGATTTC AGACTTCCAG CTTCCAGGAC TGTGTGACGA TAAATATCTG TTGTTAAGCC     63360

AACGAGTTTG AGGTACTTTG TTACTGCAGC CCCAGAAAAC TAATACAGTA GGTACTATGG     63420

ACTGAATTGA CTCCCCGTCG CAAAATTCAT ATGTTGAAAC CCTAACCCCC AGTGTGATGG     63480

TACTTGGAGC TGGGGCGTTT GGGAAGTCAT TATATTTAGA CAAACTCATC AGGATGTGTC     63540

TCTCATGATG AAATTCATGC CCTTATTAAA AGAGACAACA GGCCAGGTGC AGTGGCTCAT     63600

GCCTGTAATC CCAGCACTTT GGGAGGCTGA GGTGGATGGA TCACCTGAGG TTGGGAGTTT     63660

GAGACCAGCC TGGCCAACAT GGTAAAACCC CATGTCTACT AAAAATACAA AAATTGGCCA     63720
```

-76-

```
GGTGTGGTGG TGCACGCTTG TACTCCCAGC TACCTGGGAG GCTGAGGCAG GAGAATCCCT    63780

TGAAACCAGG AGGTGGAAGT TGCAGTGAGA TCACACCACT GTACTCTAGC CTGGGTGATA    63840

GAGACTCCAT CTCAAAAAAA AAAAAAAAAA AGACAATAGA GCCAGGTGCT GCAGCTGATG    63900

CCTGTAATTC CAACACTATG AGAGGCTGAA GCAGGAGGCT CGCTTTAGCC CAGGAGTTCA    63960

AGACCAGCTT GGACAAAATA GTGAGACCCC CAACTTCTAA AAATTTAAAA AATGAACTGG    64020

GTGTGGTGGT ACACATCTGA GGCTCCAGCT ACTCTGGAGG CTGAGGTGGG AGGATTGCTT    64080

GAGCCCAGGA GGAGGCTGCA GTGAGCCATT GCTGTCCAGC CTGGGCTACA CGAGAACCTG    64140

TCTCGGGAAA AGGAGAAAAC AGTGAGACCT CTTTTTCTCT CCTCCTTCTC TCCACTGCCT    64200

AAGCCCTACA AGCACAAAAA GGACACCACA TGAGCACATA GTGAGAATGC TGCTGCCACC    64260

AACAAGTCAG GAAGAGAGCG TTCACCTAGA AACTGAATTG GCCAGCACCT GGATCTTGGA    64320

CTTCTGAGCT TCCAGAACTG TGAGAAAGTT ATTTTTTTTT TAGCGACTAA GTCTATAGTA    64380

TTTTATTACA GCAGCTCAAG GTAACTAACA TAGTAGAAGG GATGAATTAT GGAGATCACA    64440

AGTCCACGCC TCCAGAAAAA GACTTCCCTA AAAATTAGTC TGAGCAAAAT TCGAATGATG    64500

AATTATTTTT AAGAACTTTT AAGGGATCTG ACAAGTTTGC AAGAGCTAGA GAATGCTTTA    64560

CAACGTGATA ATAGAATGCT CTGTGATGAC AGAAATCTTT CCACACTGTT CAAAACTAGC    64620

TACTGGCCAC TTGTGACTAT TGTGCACTTG AAATGTGACT GGTGTCTGAG GAGCAGAATG    64680

TTTAATTTTA CTTAATTTTA ATTCATTACA ATAGCTACAT GTAGCTAGGG CTACTGGAT    64740

TGAACAGCAC AGCTCGAGTC TTTTAGAGGG AGACAGGACT CACCAAGATG GATGCTGGTG    64800

GCCAAGCAGC AATGGCAGGT AGTACACACA CAAGAGGCAG ATGATACAAC ACATCCTTCC    64860

CAAACCTGGA GATAAGCTCA CCCCACAATC CCGCCGCTGA AATAGAGTTG ATGTTACCAA    64920

TGTGCATTTT TATGTCCTTT TCCATACAGA AAGATCATTC AGCAAGTACT ATGGTACTTA    64980

AAAAACAACA TTCAATTCAT TATTATGACA AAATTAAATT AATAGCTCTT CCTTAAACTT    65040

TTAAATTCAA TTTACAATGC TTACTATTGG CATTTATTAA TCTACCAATT TTTTCCCATA    65100

GAACCCATAG AACAAATAAT CTACCAAATT TTTAACATTC ATTTTTGGCA AGGCTTTTGC    65160

AATTTGACGA ACTTTAAGAA GAAAACTTAT AAATTGCAAT TTTTAAATCT GACATACTGG    65220

ACTTTTAAAG TATCCAATTG ACTAATGAAC AAAACTGCTC CAAATTTTTC AATTCTTAAA    65280

AATCTTAAGA CAATACTTAA TATGGCAAAT CTTAACTTCT TAAACTTTGT AAGAATGCTA    65340

ATCAACTTAG ATTGGTATAA AGTTGAGTTA AAAATCACAG GATACATCAT CTCAGCTATA    65400
```

```
AGTTTTCATG AGTTGAGTTT TTACAATCAC TTGAAATGCT TAGAATAGGA AATACGTATA      65460

AATTATTTAA CATAAAATAT TGTTACAAAA CCTCTGGAGT GTCAGTTTCT CTGGCCAGAC      65520

TTTATGCTGC AGCACCTTTG CCTGAGTTCT TGTCCTGCAT CCAGGAAGAA TTAGGTACAG      65580

AGGCAAGAGT CAAGAAGATT AGTTTTCCAA TAGTTCAGCT CACCTAGTTA ACTCCTGTTC      65640

ACAATCTTCA AAGTTATCAG AAACCTGCAA TTGAGGGTTA TAATCCATTC TTTGCAGAGT      65700

TTCAAAACAA GACAACATTT GTCTATGAAT GTTAAAATGT CCTAGGGTAG TCACAGTCAA      65760

AAACACAATT GACAAAGAAA TTTAGTCACC TCTGTGATTT ACAATAGCCT AACACAATAA      65820

CTCTAATTAT AACTGATGAC ACAAACTCAG ATATCAGAAC TCTAGAAATC CCCTATAATT      65880

TTGGAACACA CATTCACAGT TTTCACTGAA ATATGACCTG AAGATCAAAT ATCACCTTAT      65940

TTCAACAATC CTATATAACT AAACGTGTCA AATGATCCTG TTTACCTCTC CTTTGGATAC      66000

TCCAGGGGCC CTCTGTAGCA TCCAAAAGTT AGGGGTTAGC AAAGACAATT TTGAAGCTGT      66060

AAAGGCTCAA AACACTTAAT GAACCTCTAG TCATATCTGT TCTCTACTCA CTAAATGCTA      66120

GTAGCACCTC TCAGTTGTGG CTAAGCTGGG AGGATCTCTT GAGCCTAGAA GTTTGGGGAC      66180

GCAGTGAGCT ATGATTATGC CACTGCACTC CAGCCTGGGC AACAATGCAA AATCCTGTCT      66240

CAAAAACAAA AACAAAAAAC AAATTGCCTA TGCTGTGGTT ATCTCACAAT TAATAAAAAG      66300

GAAAAAAAAA GTATGCAGTC TTTGTAGGTC CTTGGGGTTT GTTGGAACTC AGAAAACAAT      66360

ACCCCAAAAT AAAGACCGCA GAAGCCAAAG TTTTTCTCTG ATCTTCTCCT GCCCTCCTGT      66420

CTCTGAGTCC CATTCTCCCC GGAGTCTAGC CATAGAAATG AGAATTCCTC TTCCTCAAGT      66480

TAGGTCATAG AAATCAAAAC ACCTTTTCCC CAGAGCCCAG CCATAAAACC TAAAAATATT      66540

ACTCTAACTT TCCCTCTGTT TTTCTGTGTA AAAACTGGCC ATAAAGAAAT TATCTGAACT      66600

ACCTTATTTG ATCATAGATC ACCAGACCGC ATTCCAGAGA GGATCCAGAA GGAAGGAATG      66660

CTGCACAGAG AGGCGAAGAA GAATCTAGAC AGACAGGCCT TGCTGGGTTT CCCTACTCTG      66720

TTTATTAGCA ATCCTATTTC TACACGGCGG CCCATACTTT GTTGAATCTA AAAAATAAAA      66780

ATGGACAATT TCCCCTGTAC ATGTTAATAC ACATTAATAA ATTGGATATA AATTGGATAA      66840

TTTATTAATA TACACATTAA TAAATTGGAT GCAGCCGGGT GCAATGGCTC ACGCCTGTAA      66900

TCCCAGCACT TTGGGAGCTG AGGCGGGCAG ACCACGAGGT CAAGACCACC CTAGCCGAAA      66960

TGGTGAAACC CCGTCTCTAT TAAAAATACA AAAGTTAGCT GGGCGTGGTG GCACATGCCT      67020

GTAGTCCCAG CTACTGGGGA GGCTGAGGCA GGAGAATTGC TTGAACTCGG GAGGCGGAGG      67080
```

-78-

```
TTGCAGTGAG CCGAGATTGC GCCACTGCAC TCCAGCCTGG TGACAGAGTG AGACTCCGTC     67140

TAAAAATAAT AATAATAATA ATAATAATAA TAATAATAAT AATAAATTGG ATGCATTTTA     67200

TCCTATTAAT CTTCCTCTTG TCGGTGGTTT TCAGCGACTC TTCAGAGGCC AAAGAGTAAG     67260

TTTTCCCTTA GCCCCTACAG GTTCTTATGT TTAATTTGTT ACTCTCATTT AAGACATAAT     67320

TAAAGTGGCT TCTCCATGAA GATTATTTCT GCATCCATTA TTTGGTAAGA TTGGCCGTTT     67380

TCTCCTTTGA TCTCTACTTC ACACTGACCC ACATAAAACA TCACTGCCTG TTTTTTTGTT     67440

GTTGTTGTTT GGAGACGGAG TCTTGCTCTG TTGCCCAGGC TGGAGTGCAG TGGTGTGATC     67500

TCCGCTCACT GCAAGCTCCG CCTCCCGGAT TCACGCCATT CTCCTGCCTC AGCCTCCTGA     67560

GCAGCTGGGA CTACAGGCAC CCACCACCAA GCCCGGCTAA TTTTTGTATT TTTAGTAGAT     67620

ACGGGGTTTC ACTTTGTTAA CCAGGATGGT CTCGATCTCC TGACCTCGTG ATCGGCCCGC     67680

CTCAGCCTCC CAAAGTGCTG GGATTACAGG AGTGAGCCAC TGCGCCCGGC CCCGTTTTTT     67740

TTTTTGGTTT TTGCATGTCT TCTCCCTTTT ACTGTAAACT ATTTCCACTA CCAGCGTAGT     67800

TATCATTTCT ACTGCTTAAT AATTGTTTTG GGGAAGTGAA TGCATCAACC CACATGAATT     67860

TCTTGTCTAT TTGACAATTT ATTCTCTTTA GGAATAGTAT TAACTCCTAA GGTCCTGGGA     67920

GCCAGTCTCT GTACTTGGCT GCTCCAGGGT CCTACTTCAG TTTCCCAGCT TCTCAGTACT     67980

GTCACTGTCA ATTGTGGGTA ATAATTATTT TTGTCCACCA AAAGACTCTG TATGTGAATG     68040

AGTTTTGAAA TCTGCTGAGT AATACAGTGT CAACCCAGTT AATGATTTGC CGGGCGGCTT     68100

GATCAGGGGC TGTCCAACTA CCGGCATTTT GATTTGGAGC GTCATCTAGT GTCTGAAAGC     68160

ACAAACAACA TCCTACATTG TAAATGCCTT TGGCTACAGA GATTGAAACC AAAGCAAACC     68220

TATGTTTTGA ATTGTTATTC TTCAGCAGTT CTGCTAGCTT TGAAAAATCT AAAAGTTAAA     68280

AAAAAGCTTT ATATTTCATT TTCTGCCTAA ACTCTTTAAA ATTGCTAGTT GACAATTAGA     68340

TATTTTCAAT TTAATGAAAT TTTTTTTTAG TTCACAGATT AATACACAAT GGGGGAGGGT     68400

TCTTATTCTG TTGGACTTTT ACATAACCTC CACTTTAGTG CAGTCTGCTT TATGGGGTCT     68460

TGTTTGAGGT GTGTGTGTGT TTAAGGGAAT GTGGTTTACA ATCAAAATAT TGGGTTGCTC     68520

TTAGGCACAT TGTAAAGTCA CACACCTGTA TTCTTATTGA TACATAATGA TTAATAACAT     68580

TATTATTACA GCCTGATCAC CATCATTATT GATATATCTA AATAATGAAT TTTATAATTT     68640

TGCTTCCTGT CAGGCAAGAG CCAATTTCAG TGCTACCATG TTTGTATAGC AGTATTTATG     68700

TCTGTCATCC TCAGTCATTT TACTTCACTT GTTCTTAGCC AAACGGCCGA GAAGCGATGG     68760
```

-79-

```
TCATTTTACT TCAAAAATGA AAAGAATTAA TATTTTTACG TTTCCCTTAA AGACCCTATG    68820

TTTAACCTCC ACTCCTGGGT AAAATGGTCT AGTCCCTCCT TTTCATATCA TCTCTGATAT    68880

CTTTTGCACA GCCACTATTA CCTACCGTTT TCTAGATCCC TATTCTTCAA ACACCACCAT    68940

GAAGGTAGAG CCTGTCTGAA TTATTTTCTT GTCCCCTGAA CTCAGTACAT TGTTAGGCTT    69000

CTTGAAGATG TTGATCAGTT GTTTGTGGAG TGAATGAATC AGCTAGCATG ATTTTTCTAG    69060

ACCACTGAGA CAAGTGTCTA AGACACTTGT TCCTTCCCAT GTTCTTGCCT GCCTGTGCAA    69120

TCCATGCAGT CTCATGGCTT CCCAGTGCCT CAGAATTATC CCCTGTCAAA CAGGCATTAT    69180

AATTTCTGTC CACTGAAAAG GACAAAAAC TAAGTGTATA GCTAGAAGTT AAAAATTACC    69240

GGCCAGGTAC TGTGGCTCAC TCCTGTTATT CCAACATTTT GGGAGGCTGA GGCGGGCAGA    69300

TCACCTGAGG TCAGGAATTC GATACCAGGC TGGCTAACAT GGCGACCCCG TCTCTATCAA    69360

AAATGTAAAA GTTAGCCAGG TGTGGTGGCT CGCACCTGTG GCCCAGCTA CTCAGGAGGC    69420

TGAGGCAGGA GGATCGTTTG AGCCCTGGAG GTTGAGGCTG CAGAAAAATA GGAATATACT    69480

CTCTTTCAAG AGTTCGTGGT TTTGACTGCC ACCTAGCGTA CATCAGAAAA ACCGCATGAC    69540

ATAGGAAATG CCTGTGACAG AGGGGTAAGG TGAGAGAGGT TGATGAAGAA TGTATTGAAG    69600

GAGTGAAAAC GCTTCCATCC CTCTACTTAC TAAATATATT AGTTAAGTAG TTGGGGCATA    69660

TTTTAATTCA TGCATTTTGT AGATAGAAAA ACAAAGTTT TATTCTGTTT GATTTAGTTG    69720

ATACTTTAAT ATGTGTGTGT TTAGGATGCA TGATTTATAA TCAGTCTGCA GCACTTCTTG    69780

GAGAAGTCTG AATTCTCATT CTCCATTTCC TTATTGGCAA CGTGAGAATG ATTACAATGG    69840

TGGTTGTCTC ATAGAATGCA GGGAGTCAGA ATGAAAATAG TCCATATAAT GCCTGGTGCA    69900

GAGGAAGGGT TCAGTTAACT GTCTGTATTA ATATTACTGA TAACAGTCAT GACAAACAAA    69960

AGCTTAACAA CAACACCACC AACAACAGTT GCAGAATTGA GCCACCAATT TGCACACAAG    70020

ATTGTAGGTA GGATGTTTTA GAAAAGTTAT TATTTAATAT ATGTATATAT TTTTGTACTT    70080

AAAATATGTC AGAGGTTGTT CTAAGAACTA TTTAAATGTT AACTCCTTAA TCCTCATAAT    70140

GACCCATGAA ACAGGTAGGC TTATTATTGT CTCTTTACAT GTGAGAACAC TGAGACACGA    70200

AAAGGTTTAT TAACTCACCC AAAGTCACAC AGCTGGTAAA ACGGCAAAAT TGAATTTGAA    70260

CTCAGACATT CCAGGTTCCA AGACAGTCTA ATTATTCTTT TGACTAATAT ACTAAGCTGC    70320

CTCTGTATTT TTCCTTGATT ACTTTGTAAA AGTATGAGGA AAATATAAGT GCTTCAAGTA    70380

ACCATGAAAA ATATAAACAA TCTATGTATC AACTGAAGCA TAATTACAAA TCCTTTGATA    70440
```

```
AGCAAACATA ATAAAAATTT GATATCAATC AAAACTTTCA TGTAATGTAA GCAGGTTGAG    70500

ATGAATTCTA TAGTAAAAAA GTGCAGAGTG CTGGAATACC ATGCTCCTAA TATATTGGCT    70560

AGGCACACCT GCCTGCTATC AAAGGTATGC ACACACCTTG GATACAGAAA GTTGGGACTG    70620

GGTAGTTATG TGAGTGTCAT CAGAATTCTT TCCCACTTGG GAAAGAATTG TCCATCATAA    70680

GCTTGGATGA TGGACAAGGA GTGAGCTCCC AGAACAGTGA TGTGGGGATA CATCCTCACA    70740

TCACAGTGAG AATGAGTGTT CTAGACTGTT TACACACCTA CCACTCCTAA ATGCACACAT    70800

ATAATTGCTT GCACACACAC ACATACACAC TCATCTCTTC TCTGGTGGTC CAGCTCTATC    70860

TCTTATCATT AGGCTTCTTG GGGCTAGTAC CTAGGGCCTG TATCCTTTCA GAGGCAGCTA    70920

AGGGAAGCAC ACATAATTAG AAAGAATGAA CCAGCTTGTT GGATTGGTC TCTTCGCATC     70980

CAGCCCTCCA AGTTAAGGAG AGTACCATCT TTCTTAGGGT CACCAAAGGA AAAAAAAAAA    71040

AAAGAAAGAA ACAGAAGGAT ATCATACAGC AAGGATCTAA TGCAAATATG CCTCAAATGA    71100

GAGGCTACTG TGTGCTGATC CCAATCCCAG GAACTGTATG CACATTATCT AATTTAATCC    71160

TCACTGTATT TCTGGGAGTA TTATTCCCAT TTTACAGAGA AGGAACTTGG CAGGGTAACC    71220

AAGCTCATGA ATGGAGAAAC TGGGATTAAA TATAAAGCTT CCTTGCTCCA GAACTGCTGT    71280

CTTTCTGCTC TTCCACACTA CCAGCTCAGC TGTGCTCTCT ACATGCAGGC AGTTTTACAA    71340

GTTTCAGATT AGCCTGGGAC TTCCAGGGTT TTGAATGGGT TAGGGAATGG GGAACTTTTG    71400

GGTTTACTTT CCATTTTTTC TTCATACATA TGTAATATAT AACATAAATC TATGGTATAT    71460

ATGATAAATA TATGGCTACA TATGAACTAT ATAATCACAT ATATGCATTA TAAATAAATA    71520

TTAATTTTAT AATATTTTAA AGGTTATCAA ATAAATATTA ATATAAATAA TTAAATAATT    71580

AATACTCAGC TTTGTTTTCC AAAGTGATAA ATGCCTATAT TTAGCAAAAT ATTTTTTGGA    71640

GGCCTGATAG TTTTTAGGAG TGTAAAGAAG TCCTGATATC TAAATGTTTA AGAACCACTA    71700

TTTTAGGCTG TTGTCTTCTG TCTTATTTTC CCAGCTAGAC TGGTAAATAC TTGAAGGCAA    71760

ACGTTTAGCC AGCACATTAA CATTTTATGT TTTTATTCTT TTGTGCTCTC AGTGGCTGTG    71820

TCTTTTCTAT CGATTCTCA CACTGTATGA TGGTTATATT TGTCTGTATC TGTCCCACCA      71880

GGTATAAGTT CTTGAGAGGA CACACTGCTA GGCTGATCTT AGTTTTTATT ATTTCTCCTG    71940

GTGTCCTGTG CTTAACAAGT GCTCATTAAG TGTGTAAAAA CACAGCACAG TAAAAAACTA    72000

GACATTAAAA AATAATGTCA ACCAATCTAT TGAAATTTGC ATTTCCATGT TTCTTCCAAT    72060

ATAGTCATTG TGTCAGGTTA TGTACTTATT CTGATGAAGA CTATTGCCTA ATATACGTTT    72120
```

```
GCATCTTGTG CTTTATAACT GCCTTCATAT AGACACAGAT TGAGAAGGTG TAAAAATGTG    72180

CATATCCTCA CAATTGACAA ATTCTTATCC TTTGAGGGTA GGTTTGACTT TCTGAAATGC    72240

TTTGACATCA TTTGAAAGAA GCTTGAAGAA TAAGATAGCT GTTAATGACC CAGTTTCCTA    72300

TGTCACTTAT ACAATTATAA TGGCAATTTC AAAATGTTAG GTAAATATAT TTTGCAATAT    72360

ATTGTTCCTT TTGTAATACT CTCTATGTAT TTATTTATAT TTTTAAATTT TATATTTATG    72420

TATTTATTTT TCTGGACAGA GTCTTGCTCT GTTGCCCAGG TTAGAGTGAA GTGTTGTGAT    72480

CATAGCTCTC TGCAACTTCA AACTGCTTGG CAAAAGTGAT CCTCCTGCCT CAGCCTCATG    72540

AGTAGAGTAG CGGGAACTAC AGGCGCATGC CACTGCACCC AGCTAATCAC TATTTATTAT    72600

GCTCCTACTG TGTGCTTTAG TATATTTTCT GTTGTTTTCT GCAACCCATT TTGAGGGCGT    72660

GTTAGGGAAT ACAGATGCAG TAACTTTCGT CTCAGCCCTT GAGGTGAGGA AATATTTAGC    72720

CTCAGGTTTA ATCTAATTGT TGGCCATTTG CCTTCAAAGA TTGAAATATG AGCAAAACTG    72780

TGGCTCTGGG TTATATGTTA AAAAAAAGTT TATGGGCTG AAGCCAGGCA ACAGACAAGA    72840

GCCCCTACAA TCTTATTTAG GCTGAAAATA TCCTGGAGTC CCTGTATTGT TGGTCTCAAG    72900

CAGATAGCAA CACTAACACT TACTCTTTGA GGCAGGCACT GCCAGTGGGG TGGCTGTTAT    72960

TATTAGCTTC ATTAATTGGT GAGTCAGGAA AAAACAGCTT TAAATCATTC AAAGTTCTGG    73020

CCTATACAGG ATTTAGTAAT ATTAGGTTAG CTACATCCAA AAGATGACAG AACCCTACTC    73080

TAAGGCTGGG CTTGGTGGTT CACACCTATA ATCTCAAAAC TTTGGGAGGC TGAGGCAGGA    73140

GGATCACTTG GTGCCAAGAG TTTGAGACCA GCCTGAGCAA CATAGTGAGA CCCCTGTCTC    73200

TATCAAAAAC AAAGAACTCT AATTGGCATA GTAGAAGGAA AAAGTGAAAG AAAAACCAGC    73260

TGTCACCCTC ATTCCTTACA CCTGTCCTAA CAACTCCTCT CACTATCCTT TGAATATATC    73320

TTGGCTGTTT GAGTCTCTCT CTAGCCCCAT TACTGCTGTT TGGACTTGAC ATTTTGCTCT    73380

GCATTTTTAA CTTTTCTACC AGGGTTTCCA GACCCTGAAG AGTGTGGCAT GAAACAAAAC    73440

TAGTCAACCT ATAATATTTA TGATGTGTGT GTAAATAAAA GAATACACAA TATATTGCAT    73500

TACAATATTT TAACTGTGTC CTCAATTTGT TTGTGGCTTT CTTGAGGACA TCAGTTTTGG    73560

GTGGGACGAC CACATCCTTA ATCTGAACTT TCCCTTGGAG GTCATTCTTT TTTTTTTGAA    73620

ATAGAGTCTC GCTCTGTCAC CCAGGCTGGA GTGCAGTGGC GCAATCTCAG CTCACTGCAA    73680

CGTCCGCCTC CTGGGTTCAA GTGATTCTCC TGCCTCAGCC TTCCAAGTAG CTGGGATTAC    73740

AGATGCACGC CACCATGCCG AGCTAATTTT TGTATTTTTA GAAGAGACGG AATTTCACCA    73800
```

```
TGTTGGTCAG GCTGGTCTTA AACTCCTGAC CTCATGATCT GCCCACCTCA GCCTCCTAAA   73860

GTGCTGGGAT TACAGGCGTG AGCCACCCCG CCCGGCCAGA GGTCATTCTA ATAGACTTTT   73920

TTTTTGTTGT TGCTCACAGG CTTGTTCAAT CTTATTTCAA AATTTGAGAA ATACAGTTTC   73980

CATGGAACAC CAACCAGATA TCAGGTTGCT ATGGAGTTGA TAGTCAAAAG CTTTGTATCT   74040

TCCAGTTTTT CAGAATGGCT TCTAAAGGTT CTGATTCAGA GCTCTTAGGC GAAATTGAAC   74100

AACCAAGTGT CAAAGTACAA CATTCAGGAA GTTAAAAACA TGACTGACAT ATATGTACTA   74160

TATATAGTGA GCTTGTGTAT GTGTCAATGA ATGATTTAAT TCATTAATGA AGGAGGAAGC   74220

AGAATCACAA TTAGGTCAAA GGAAGATACG GGAGAATAAA ATATGTATTT GGTCAGGGAA   74280

AGGATGTATA CTGGAAGAGG AAGGGAAAAT CAGATATAAA GTTGTTTAAT GACTTATTAG   74340

GCAATACAAT AATAACTTTT AGGGTCATTT TTTCTATATT AAGAATTCAT TTCCATCTCT   74400

ATGACAAAAT CCTTATTAAT TTATTAAACT TCTACAAGTG AATGTTTACT TTTAGATAGT   74460

CTGGACCCAA TAAAATGTAA ACATTAAGTC AGAGTTACTT TCACGTAGGA CAGTGTTGTC   74520

CAATAAGGTA CCACTAGCTA CACGTGATCA TTGACCATTT GGACTATAGC TAGACTGATT   74580

TAAAATGTTC TAAAAGTGTA AAATACACAC CAGGTTCTGA AGATTTATCA TTTAAAAAAG   74640

AATGTCAACT GTCTTTTTTT TTAGCTTATT TATTATATGT TGAAGTGATA ATAGTTTAGA   74700

TATATTAAGT TAAATAAAAT ATCTTAAAAT TAATTTTACT TGTTTCTTTT CATTCTTTCA   74760

ATGTGACCAC TAGAAATCTG GAAAGTATTT ATGTGATTCA CATTCTATTT TACTGTCTAG   74820

TATTGCCTTA CATCATCAGG TACCCCATAA GTAGGCTTTT TAGATAATTC TCTAATATAG   74880

CTTGGAAGGA TATGGAGAAA TATTTTTGCG TTGCTTTTAA GTTTTGCATA ACTTTTTCAA   74940

CACACTTTAT AAAGGATCTA GAAAAGGGTT GGTTACATGT TTCTCTGTCT TCTGGCCTCC   75000

ACCATGTTGC CAGGAGGTTG GGGACAAGAT TCTGGGTGGC TGGATGTCCT AATGGCTTGA   75060

GGTCTGGACT TGAGATTTGC ATATAAAGAG ATGTGATTAG ATTGAGTCGA CTAGAAAAAT   75120

CATATTAGAG AACTGAATCA CAGCGATTAA ATTTACATGT CGATTTATAA ACCAGGACAC   75180

CAATTTATAG TGAAAGAAGG TCCAGTTACC TGGTAATCAA GACGTTTCAT AGCTATTTTC   75240

ATGATGGATA TACTTAGCTG AGTTTTAAAT GAGAAGGGGG TTCATTGCAC ATAGAATAAG   75300

ATCTAAGTGA AATGTTTATT TTATTTTTTT TTTTTTGACA TGGAGTCTTG CTCTGTTGCC   75360

CAGGCTGGAG TGCAATGAGG CAATCTCGGC TTCTGGAGTG CAATGAGGCA ATCTCGGCTT   75420

CTGGAGTGCA ACGAGGCAAT CTCGGCTCAC TGCAACCTCC ACCTCCCGGG TTCAAATGAT   75480
```

-83-

```
TCTCCTGCCT CAGTTTCCTG AGTAGCTGGG ATTAGAGTTG CCTGCCACCA CGCCAGGCTA    75540

ATTTTTGTAT TTTTTTTAGT AGAGATGGGG TTTCACCATG CTGGCCAGGC TGGTCTCGAA    75600

CTCCTGACCT CAGGCGATCT GCCCGCCTCA GCCTCCCAAA GTGCTAGGAT TACAGGCGTG    75660

AGCCACCAAG CCTGGCCTAA GTGACATGTT CTTATATTGT TCCTTTCTTT CTTTTTTTTT    75720

CGACTGAGTC TCACCCTGTT GCACAGGCTG GAGTGCAGTG GCGTCATTTC GGCTCATTGC    75780

AACCTCTGCT TCCCGGGTTC AAGCGATTCC CTTGCCTCAG CCTCCTGAGT GCCACCACCC    75840

CCAGCTAATT TTTGTACTTT TAGTAGAGAT GGTGTTTCAC CATGTCGGCT AGGCTGATCT    75900

CAAACTCCTG GCCTCAGGTG ATCCGCCCCC GAGTCTCCCA AAGTGCTAGG ATTACAGGCG    75960

TGGGCCACGG GGCCCAGCCT TATATTATTT CTTTTACTAC AATATATTAG TATGATGCAG    76020

GTGCTTCAAT TGTTTATACA CTTTCCATAA TTTTGTATAA TTCTTATACC CTGTCACTCT    76080

GAGGAATAGC CGGTCTAAGT GTTTTTCCAC CACTGCTAAT TCATCCATCA CTAATCTCAT    76140

TAGACTGTTA ATTCCCAGAG GACATAAGCA CACAAGCAGA CAATGTTTAC AAATGTTGGA    76200

CAAATGTTAT TTAATAAAAC AATGGGGTCA CCCTTAGTCT AAAAGATGTT TCACTTTTCA    76260

TTTGTCATTG AACTCTTATT TGTAGGTTCC CTTTTGACTT TCCCACAATC TAAGGCTGTT    76320

CTCTTTAACA CATATTTTCA TGAAACATA TATTTGAGCA GAAATTGTTG GGGAGTTGTA    76380

ATATTACCTT TGTCCCTAAA TATGAATCTA TAATTATATC AAATATATGG GCAGACAATT    76440

TACTTTGCCT TTAATCTCAA GAAAAAAATA GCAATTACTT GGGGTCGGAG AGTAAAATAA    76500

GAAGTAGTGA ACCTTAAAGT AGCAAACTTT AGAACAGAAT AGTTTCAGAG GGGATGAGAA    76560

GAGGTGATTT TTCAGCTCAT CAACAACAGA TCTTATAATA AATTACATGT TCTGGTACTT    76620

TTCTTGTCTT TCTGTGTTAA ATTTTGCTAT TTAAAAAAAT AAATTTCAAA TACATTGTTC    76680

ATCTTAAAAG TCAAGAGTGT GTTTTATTAA AGTCAGTTGC TTTATTTGCA ACTCAAAAGA    76740

TATATTTGAG TTCCCAACTG GAGATTGTCC TATATGGTAA CTTGCGTAAG GTATGGTTAC    76800

TGAAAGTAAC CTACAATTTT CATGGGCTGA AATTCATTTC TATATTGCAG CGTACAAAAA    76860

TAAATAAATA AAAAATGCTT GTTTTCTTTG AAAACATATT ATCTCAGTGC CTCTAACTGC    76920

CAAATCTATT GGCTTTTTTG CAGGCTTAAG GGCTCTCCCT TGTTCCTTTA TGATCTCTAT    76980

CTTGAGGGCC AGACCTCCTG CCTTACACAA CTCAGAGGGG GACCTCAGAG CTCTTTAAAA    77040

AGAGCCCAAT TTCTCGCCTG TAGAGAAGTG AAAAGGATGC CCCACCCCCA TCTATGAAAA    77100

GAGGGATTTG ATAGTTTCAA TGTCTTCAAA TCAAAGATTT AAGTCTGTAG CCCCCCACCA    77160
```

```
CCCCGGACCC TAGCAAGGCT CATGAACCCC CTCCCATCCC GCCCTAATTG CTTTGGACTG        77220

GCCGTGGAAT CCTTGTCCCA GTCCACAGTT CCTGTGCGAC TGCACGAAGA ATTCACAGAG        77280

GACCTGTGTT ACTTCCCTTG TGAAGAAACA GAATTATCAT GAAAATTTAG GTGGAAACCA        77340

TTTCGCTTTT TTCTTCAAAA ATAAGGGAAG CATGTGCCCA ACCACCCCTG GGAAAAAGAA        77400

CCTTCAGGGG CAAAGGAGCG AACAGGTAAT TTATAAGAAA AACAGAAAGT GGTCTCTGAC        77460

TGCCCCAGAC TTCCTTCGGA GTTGGGGGAA TTGGGGACGC CTGGACGCGT TGTTTTTGTG        77520

TTTGTGGAAA AAATAAATGA AGAGCATGAA GCCCGAGGCT TCTGAGATCC TTTCCTGACC        77580

AAACCCAAGT GATTTGGTGC GGGGAATTTT AATATTTTTC CCCTTTTGTG AGGTGGAACA        77640

AACACAACTT GGGAGCAGCG CAGCGGCTCA GAGCCTGCCA GCCAGGCGGG CGACCAGAGC        77700

ACCAATCAGA GCGCGCCTGC GCTCTATATA TACAGCGGCC CTGCCCAGGC GCTGCTTCAT        77760

CGGCGCTTTG CCACTTGTAC CCGAGTTTTT GATTCTCAAC ATGTCCGAGA CTGCTCCTGC        77820

CGCTCCCGCT GCCGCGCCTC CTGCGGAGAA GGCCCCTGTA AAGAAGAAGG CGGCCAAAAA        77880

GGCTGGGGGT ACGCCTCGTA AGGCGTCTGG TCCCCCGGTG TCAGAGCTCA TCACCAAGGC        77940

TGTGGCCGCC TCTAAAGAGC GTAGCGGAGT TTCTCTGGCT GCTCTGAAAA AAGCGTTGGC        78000

TGCCGCCGGC TATGATGTGG AGAAAAACAA CAGCCGTATC AAACTTGGTC TCAAGAGCCT        78060

GGTGAGCAAG GGCACTCTGG TGCAAACGAA AGGCACCGGT GCTTCTGGCT CCTTTAAACT        78120

CAACAAGAAG GCAGCCTCCG GGGAAGCCAA GCCCAAGGTT AAAAAGGCGG GCGGAACCAA        78180

ACCTAAGAAG CCAGTTGGGG CAGCCAAGAA GCCCAAGAAG GCGGCTGGCG GCGCAACTCC        78240

GAAGAAGAGC GCTAAGAAAA CACCGAAGAA AGCGAAGAAG CCGGCCGCGG CCACTGTAAC        78300

CAAGAAAGTG GCTAAGAGCC CAAAGAAGGC CAAGGTTGCG AAGCCCAAGA AAGCTGCCAA        78360

AAGTGCTGCT AAGGCTGTGA AGCCCAAGGC CGCTAAGCCC AAGGTTGTCA AGCCTAAGAA        78420

GGCGGCGCCC AAGAAGAAAT AGGCGAACGC CTACTTCTAA AACCCAAAAG GCTCTTTTCA        78480

GAGCCACCAC TGATCTCAAT AAAAGAGCTG GATAATTTCT TTACTATCTG CCTTTTCTTG        78540

TTCTGCCCTG TTACTTAAGG TTAGTCGTAT GGGAGTTACT GAGGTATCAG ACGAATTGGG        78600

TGACGGGGTT GGAGAGTGGC CGTGGTGAGG TTACAGCATT TAAACCTTTA TTGCGGCTTC        78660

TAGGTCCCTG ACCGGAGGCT TTTCTCGCTG GCGGATGGTT TTGGGATGGC AGTCCCGCCC        78720

CAGGCCTGTG AACGGCAGAA AAGACCGCAA AACAAGAGCC AGTTTCTTAG TCTAAAGGGA        78780

TGTCCGGATT GGACTAAAAA ATTTTCAAAA GTCCCGCCCT GCTCCCGGGT TGGTCCGTTC        78840
```

```
TTCTAGTACA TGACTTTCAT TCTGTATTTA ATTGGATGGT GGAAGACGTT GCTTATTCTG    78900

TGTTTTTTGC TTTACTGTGA CTTAAAAGTT TTGCCTCTTT TCTCTTTATA TTAATGTCTG    78960

GGATTTCGGA CGCTTTCCAT GTTGTTGGTA GTCAAGTTGA TGTCTCCTGG AGGTAGTGGC    79020

AACATCCAGC CCTGGGAGGA GAGTGCGTGC AGGTACCTTT GTCCTACATT CCTCTGCTGT    79080

TAATTTCTCA TTCCTGTGGC AACGAAGGAA TGCATTTAAA AAACAGCCAC AACAGCGGCA    79140

ATAGCCCTTC CTCCACCCAA GGCAATCGTG GACCTAGGGA GTTTTTTGTG CCACATAACA    79200

TGTAGCCTTC CGCTAAACTG ACAGGTTTGA GCGTATCGAT TTTGAGCGTA TCGAAAGCAC    79260

AACTTTTAGC CAGCCATTTT GTCCTCGCAT GACTACGGTT GCTTATCCTG TTTAGACAGA    79320

CAGCAACATT TAAAAATCGA AGTTCCTTTA AACGTATTTT GTTTGGCAGT CCAAATGTTT    79380

CTATGCAGAA AACAGTATTT GTACTATTAA CTATGAAGAG TGTATGGATA AATGGGAGAC    79440

ATTTCTAATA AAGGCCTTCG TTAATGGTTC CCTCTGTTTG ACATCCATGG TGCTTCTGAA    79500

TACAGAAAGC CTAGCGTCTT ATATTCGCTT CTTTTAAAAT CTGGTGGGCA CATTTTGGTG    79560

AGACCTAAAT TATGGGGACT GGGGCTTCTG GAGATAAGCT GCTCAATTAT TCTACCATCT    79620

CCACAATGAT TAATATAGTG AGTTGATTTG TTAGTGATAG TGACCACGGA TTCATCCCAA    79680

GAAAGAGAAA GGGGAGGGAG GCAAGCAGAG AGACAGGAAG ACAGAGGCAG GGAAGAAGGA    79740

GAAAACATTC TCCCATGGTT TAAGTAATTT TGTGTTGTTA ATTTTACATT ACAACACGGT    79800

TTAACATGGT GAACCCTCTA TTTTGGTGTA AGGTTTAACA TATGGACATA TTTTTCCCAA    79860

GACCATTTAT GAACTTTCAT TTCTGCTTCC CCCTTCTTCC TCCCGTGCCA CCCTCCACGC    79920

TCCTATCAAT TTTGGCTGTT TTGTCATAGG CTAATACGCT ATAATTTCAT GGACAGTTGG    79980

ACTGTCTTAG GTTTCTCAGG TTTCTATTTT GTTCCTTTAG TCATTCCCAC AATTCTTAAG    80040

GTAGAATTGT ATTGTTTTAA ACATTGTGTT GTGTGCTATC CTCAATGCTG AGATGATTAT    80100

GTGACAAATG GCAAGTGTTC AACTAATACC TAAATCTGTA GTATCTTATC AAGCCTAATG    80160

CTACTTCACA ATGCCTACTC CATTCACCTC ACTTTATCTC ATTACTGGCA TTCTGTCATC    80220

TCACATCATC ACAAGTAAAA CGGTAAGCTA TTTTGAGAGA GATCACAGTC ATATAATTTA    80280

TATTTATATT TATTTATTTA TTTATGAGAC GGAGTTTCCC TCTGTCACCC AGGCTGGAGT    80340

GCTGTGGCAC GTTCTCGGCT CACTGCAACC TCCGCCTCAC GGGTTCAAGC GATTCTCCTG    80400

CCTCCGCCTC CCGAGTAGCT GAGATTACAG GGGCCTGCCA CCATGCCCGG CTAATTTTTG    80460

TATTTTTAGT AGAGACGGGG TTTCACTAAG TTGGCCAGGC TGGTCTCGAA CTCCTGACCT    80520
```

```
CAGGTTATCC GCCCACCTCA TCCTGCCAAA GTGCTTAGAT TACAGGCGTG AACCACCGTT   80580

CACAGACTCA AATCATTTTT ATTACAGTAT ATTGTTATAA TTGTTGTTTT ATTATCAGTT   80640

ATTGCTAATC TCTTACAGTG CCTGATTTAT AAATTAAATT CATCATTGCC ATGTGTATAT   80700

AGAAAAAAAC AGTGTATATA CGGTTCAGTA CTATCTGTGG TTTCAGGCAT CCACTGGGGG   80760

TGCAGTTTAT TAAACATGCA TTTACATTAG TCTCCCCTTT GGGAGACTAA TTAACTGAGA   80820

TGTTGTAACG TGACTTTAAT AGCAGATAGA GCTAATTTTC TCTCATTACT CTTCTTTTTC   80880

AGAATTTTCC TGGTTATTCC ATTTTTTATT TTTCCATATG TATATTAAGA TCTCTTCCAC   80940

CTCCTCCTGT TTCTCCATCT CAACATCAAA CAATTAAAAA AAAAAAAAG GCTGGGCGCG   81000

GTGGCTCACG CCTATAATCC CAGCTCTTTG GGAGGCCTAG GCGGGTGGAT CACGAGGTCA   81060

GGAGTTCAAG ACCAGCCTCG CCAAGATGGT GAAATCCCGT CTCTACTAAA AGTATAAAAA   81120

TTAGCCAACC ATGGTGGCAG GCGCCTGTAA TCCCGGCTAC TCGGGAGGCT GAGGCAGAGA   81180

ATTGCTTGAA CCTGGGAGGC GGAGGTTGCA GTGAGGCGAG ACCTTGCACT CCAGCCTGGG   81240

TGACACAGCG AGACTCCGTC ATAAAAAAAA AAAGCCGGAA GCAGTGGCTC ACGCCTGTAA   81300

TTCCAGCACT TTGGGAGGCT GAGTCAGGCA GATTACCTGA GGTCAGGAGT TCAGGACCAG   81360

CCTGGCCATG AAAATACAGC CTGGCCATGA AAACACACAA TAAATTAGCT GGGCGTGGTG   81420

TCACACACCT GTAATCCTAG CTACTCGGGA GGCTGAGACA GGAGAATCAC TTGAACCCAG   81480

GAGGCAGAGG TTGCAGTGAG TTAAGATGAC GCCACTGCAC TCCATCTGGG CGACAGAGCC   81540

AGACTCTCTC TCAAAAAACT AAATAAATAA AAATAAAGTT ATGGTACATT GAACTTCTGT   81600

GTTCCTTTCT CCCTTAGATA CTTTCATGGC TACCCATTTA ATTGATGTTC TTATCATCTC   81660

CAAGAGTTAG TCAGGAGAGG AATCAACCCA AGCAAAAATA GCTGATTTTC TAATTTTCCT   81720

TCAATGCCCT TTGGGGTCTT AATCCATTTG ATTTATGTAC TTTCAATTAA TCCTAACCTC   81780

GAATGTCTTC TGCAAACATG TTTCCACAGA TGAAACTCGT CAAATGAAAC ACATTCCTTT   81840

AATTTATAGA GTTAAAAATT AGAAAAATTT TCAATTCTAT TTGGCCTTTA GATTCAGTCT   81900

TGCATATGTT TTCTCAATTT TGTTCATGCT CTTTAGTTTT GTTTATTCC ATCACAATTG   81960

TTCACATAGC TTACTGGCTT AGGTCTAATG AACCATTCAT TTGGAAATTA AAATTGGCCA   82020

TTTTAAGATG AAAAAGATTC TTGCCTCAAT TTTACTTAGT TTTTGAAACT GTCAATGAGG   82080

ACACATGTTT TTCTGTACTC TTAGATTCAC TAAGTAGTGT CTTGCAAATT TAACTGACAA   82140

AGGACAGATT AACATGCGAA AAAAAGAGCA TGCAATTTTA TTAGTATATT ACATGCACAG   82200
```

-87-

```
AGTTCCCAAA GAAAAAAAAA TTGAAACCTT AAAAACGCGG TTAGACTCAC AGACTTATAC    82260

ACCATTCCAA CAAAGGAAAG GGAGTTTGCA CTTCATGGGA TGACGAATTT GGGAATGTGA    82320

CAAGGAAATA AATACATGGG CAATAAAAAC CATGGAAGAT AAAATGAAAG ATAGAAATAA    82380

TTGTAGTAAG GTTTGTTTTT GCAGAGTCAT CTCAGTGCCA ACCTTCCATA TCTAGTGATA    82440

AGAATTGCTC TCTTTTTCCT GGTATAGCAG TTGGGGACAC TTTTACAAGG GAAATTTCTG    82500

TCACCTTCAC AAAGGGAAAT TTGGGTAAAG AGAAGACAGA GACCTCTTCC TACACCTGTT    82560

GATTTTCAAT TGCCTTCAGC TGAAAATAAC TTTTATGCCA AAGTAGAATA ATTTGGGGGT    82620

GACATCCTGA TATTCTTCAA AACTTATATT TAATTTCACA TTAGTAATTA TATCATTTTT    82680

GATTTTTAAA TTAGTTTTAT AAAATAATTT TGAAAAACGG TAATAATATT CAAATAATTC    82740

CAGAAACACT GCTGATAAGC CAAAAACATC AATGAATATT GCATAAACAA CTGATAATTC    82800

AACCATGAAA ATTTATGACA TTGTTCTTGT GTGATAAAAC TATGAGTAAC ATAAAAACTA    82860

GAGGCTACTT GTAATGCATT ATTCCAAACT TTCTGTTTTT TATTTATTTA TTTATTTATT    82920

TTGAGACATA GTCTCTCTCT GTCACCCAGG TTGGAGTGCA ATGGCGTGAT CTTGGTTCAC    82980

TGCAGCCTCC ACTTCCCCGG TTCAAGCAAT TCTCCTGCCT CAGCCTCCTG AGTAACTGGG    83040

ATTACAGGCA CCTGACACCA AACCCGGCTA ATTTTTTTGT ATTTTTAGTA GAGACGGGGT    83100

TTCGCCATGT TTGCCAGGCT AGTCTCGAAC TCCTGACCTC AGTGATCCAC CTACCTCGGC    83160

CTCCCAAAGT GCTAGGATTA CAGGCGTGAG CCACCATGCC CGGCGCATTA TTCCAAACTT    83220

TCATACACAG TGCTATCATG GCTACAAATT GAAGTATCAT ATTATACACT CCTAGGCAAA    83280

GCTCTGGATA TTTTGGCTAT ATAAGCCTGA GGGAAATGTA GTAAGGACAT TGTGGTTGAA    83340

ATTCATACCA GAGATGAACA GGCCCAGTGC AAGACAGAAT TACATCACTA AAGGATATCA    83400

GAAGAGAATA GGGATTTAGG GTACAGTGGC AACAACAGTT TTGGGAACTA GCATTTTTG     83460

AGCACTTATT TACAATATGC CAAGCACTGT TGCTGATTAC TCTATATTTA TTTTCAAACA    83520

CATTCTTGTC ACAGCACTTT GAAGTAAGTG CCATTGTCAT TCCCACTTCA GGGTGAAGGA    83580

CTAAAGCTTG GTGTCATTAA GGATGTAGCT AGTTAGCTGT GTGTGTGTGT GTGTGTGTGT    83640

GTGCATTTTT TTTTAAATTT AAAGTCAATA AATTTTTATT TGAAGAATTT CACATCAAGG    83700

TAAACTTTGT TCCTCTAAAG AGCTGGAGTC AAAATGTATC TTCAAAAGAT TCATCTTCAA    83760

GTTAGCCCTT CTTAATAGAA CTGATGCTTA ATCCACAGTT GTCAGCCCAC AGTTCTTTTA    83820

TTTTGACTTT TTTTTTTTTT TTTTTTGAG ACGGAGTCTC TCACTGTCAC CCAGGCTGCT     83880
```

```
GGGCAGTGGC GTGATCTCGG CTCGCTGCAA CCTCTGCCTC CCGGGTTCAA GTGATTCTCC    83940

TGCCTCAGCC TCCTTAGTAG CTGGGACCAC AGGCGCATGC CATCGTGCTC GGCTAATTTT    84000

TGTATTTTTA TTAGAGACAG GGTTTCACTA TGTTGGCCAG GCTGATCTCA AACTCCTGAC    84060

CTCATGATCC GCCTGCCTTG GCCTCTCAAA GTGCTGGGAT TACAGGTGTG AGCCACTGCA    84120

CCCGGCCTTA TTTTGCCTTC TTTAATCTCC ATTTGAACAT ACACATACTG ATGAAAACTA    84180

CAACATTCTT CACCAAAAAT CTTTGGGATT TAATTTCTTC AACCACTTTA CTTTGGGGTC    84240

ATTTTAAGAT TAGGTGTATC TGCCTGGTTC TCAATTTGAC ACCCTTTCTC TCTAAACATG    84300

AATGAGTTCC AATCATATTT ATTCCTAAGC TATCACACTC AAATATACTA CAGATCTGTG    84360

GAATATGCCA AAAGTTAAGG TGAAAAATTA AATTATTAGG TATTTCATAG TTTTGCTAGT    84420

TTTTGATCTG TGAGTGAATA TAACTATCCT CTATGTCCTG GCACTGTTCC TCAGAAACAT    84480

AGGGTCCACA TATGTAATTT TAAATTTTTT AATAGGCACA TTTTAAAAAG TGAAAAAGA    84540

AATCTATTTT AATGATTTGA ATCCAGTGTA ACCAAAAATT GTTTCAACAA GGTATCTAAT    84600

ATTAAAATAT TGAGTTTTTA CTTTGTTATT TTACTAGTTC TTTGAAATCT GGTGTGTATT    84660

TTACACTTAA AGCACATCAC AGTTTGGAGT AGCCACATTT CCAATGCTTA ATACTCACAT    84720

ATGGTTAGTG GCAACTATCT TGGACAGGAC AGCTTTTATA CTCTGGGAAG ACACAAGCAA    84780

ATACTTGCTC TGCAGCAGAA TCCAGATGTT TTCCAAGAAA ACACTTTTTC TGACCTGTTC    84840

CTGAAACCCA GGTAGTGTCT CTAATACTTT ATATTTATT GGTTGTCCT ATTGTAACCA     84900

CCCAACGGGC TCTCCTTGTC CACTTCCTAG ACAGAGCTGA TTTATCAAGA CAGGGGAATT    84960

GCAATAAGGA GCCAGCGCTA CAGGAGACTA GAGTTTTATT ATTACTCAAA TCAGTCTCCT    85020

TGAGAATTTG GGGACCAAAG TTTTTAAGGA TAATTTGATT GTAGGGGACC AGTGAGTCGG    85080

GAGTGCTGCT TGGTTGGGTC AGAGATGAAA TTATAGGGAG CCTAAGCTGT CCTCTTGTGC    85140

TAAATCAGTT CCTGGGAGTG GTGGGGTGGG GGACTCAAGA CCAGATAATC CAGTTTATCT    85200

ATATGGGTGG TGCCAGCTAA TCCATTGTGT TCAGGGTCTG CAAAATAGCT CAAGCATTGA    85260

TCTTAGGTTT TAAAATAGTG ATTTTATCCC CAGGAGCAAT TTGAGGTTTA GAATCTTGTA    85320

GCTTCCAGCT GCATGACTCC TAAACCATAA TTTATAATCT TGTGGCTAAT TTGTTAGTCC    85380

TGCAAAAGCA GTCTGGTCCC CAGGCAGGAA AGGGGTTTGT TTCTGAAAGG GCTGTTATTG    85440

TTTTTGTTTA AAAGCAAAAG TATAAACTAA GCTCCTCCCA AAGTTAGTTA ATCCCAAACT    85500

CAGGAATGAA AAGGACAGCT TGGAGTTTAG ACGTTAGATG GAGTCGGTTA GGTAAGATCT    85560
```

```
CTTTCACTGT AATAATTTTC TCAGTTATGA TTTTTGCAAA GGCAGTTTCA CTGTCCACTT    85620

CACCTCACAT CAGGCCTCTG ACTAGAGGAT TCCAACAATA CTTAGGCCAG GACACCACCA    85680

TGTCTCCTTA TCCACCCTGA GGGAGTCCAA TTTCTGAAAC AAAGGAAACT ATATATGATA    85740

GTATGAAACT ATATATGAGA AGGAAATTAT ATATGATAAT CAATTTTAGG GTTATCTTAT    85800

TGATTAGAAG ATATTAAAGT GTGACACTGC CTGGCAATGA TATCTGCTGG TAGTAAGAAT    85860

TTGGCGAATT TAGTGAAATT CCTGAGGCTG AACCTCCACT TCTGTAAAAT GGAGACAGTG    85920

AGATAATTTG CCTTACAATG CTGAAGTAAG AATTTTACAC AATAATTCAG ACCAACCACT    85980

TCATGTGGTA CTTGGCCCGT GGAAGACTAT CAATGACAGT TAGTTTATAG TTTATACTAT    86040

TAATGAATCC TTTGTTTCAT TGTTATTTCC TTCTACACGT TGGCCTCTCT AAAAGAAGGT    86100

AATATTCAAT ACAAATAAAG TTAAAACAGC TTGCAGAGTT GTCCCAGGGA ACTCACTTAA    86160

CCACTGAAGT GTTCAAATTG CTTAAGGTTG ACTTTATATT CTCCTGACTA ACCTTTCTCC    86220

TTCTGGTATT TCTTCTGAGA ACAGCACCAC CATCCAAAGC ATCATGCAAA CAGTGGTCAT    86280

CCCAGACCAG TAATTCTCAA CTCACAGGGT GCTCCTGCAG AGATGTATTT GAATAGAGTG    86340

GTAGGATGCT GAAGAAGGCC ACGTAAAATT TGGCCAGTGA TCTGGGGCAG ATTTATCCTG    86400

AAGCTAATGA AACACAAGTG TAAGGGCCTG TACTTCCAAG GTGCAGAGAG GGGCCCTACA    86460

AATGTGTTAG TTTGTCTCTC TCTCTCTCTC TGATTTTAAA ATTTGCAGTA TTAAGGTACT    86520

TTAATCACGG ATGGTTCAGG CTGCTATTTT CACTCAATCC TCCTTTTTAT TAAAATCACC    86580

ATTGTCTGAT TATGTTAGAA TCCTGATGAA AATATTTGGA ATTTGAGTAA GAGAAAGTTT    86640

AGTTGAAGAT GTATCTAGTA TGGGGATAAT AAGTTACGTG ATTTGCATAT GTGATCATGT    86700

GTACTTCATT CGTTGCCAGC CAATCTGACG TAAGAATGGC TTCAAGGAGG CCGGGCGCGG    86760

TGGCTCACGC CTGTAATCCT AGCACTTTGG GAGGCCGAGA CGGGCGGATC ACGAGGTCAG    86820

GAGATCGAGA CCATCTTGGC TAACACGGTG AAACCCCGTT TCTACTAAAA ATACAAAAAA    86880

TTAGCCGGGC GTGTTGGCGG GCGCCTGTAG TCCCAGCTAC TTGGGAGGCT GAGGCAGGAG    86940

AATGGCATGA ACCTGGGAGG CGGAGCTTGC AGTGAGCCGA GATTGCGCCA CTGCACTCCA    87000

ACCTGGGAGA CACAGCGAGA CTCCGTCTCA AAAAAAAAAA AAAAGAATG GCTTCAAGGA     87060

ATGTTCCTAC TGCTCACTGG AATAACTCAC CTAAATTCCT GGCAAGATGC AGGTCTAGAT    87120

AAAATGTTAT GACATCTAAG TATTCAAAAC ACATTCCCAG CACTGAGAGT GAGTGTCTAG    87180

TGGAGAGTAG AAACGTATAG AGCCAGAAGC TAGTCTGGAA AGAATTCTTA CAAAGTTTAC    87240
```

```
AACTTACATG TGAAAGGAGC TTAACAGAGG ATTTTCCAAA TTTGAAAACA ATCCTAAAAA       87300

CTTACTTGAC ATTACCAATA ATGTGTTTTG AAACTGAAAT ACTTCTAAGT TATGAAGAAA       87360

ACATATTATC ATCAGCCACC CTGGAGGAAA GATTGAATTC TATTTCCATT ACCTATAGAC       87420

AACATTACAA AATAATTTCG ATCTGAAGAT GGAATCAGAG TATTCAGTCA AAACTACAGG       87480

AAAATATACT TGGTAGTGTC ATATTCAGAA GTTAATAAAA TATGCTATTT TCTGAATTTT       87540

GTGATGGCTG TTGTTTTGTC AGCTTTTATA AAATTGGAAT TTGATTTTAT TTTCCCATTA       87600

TAAATTTATA TTTACAGTCT GCAGTACTTT TGCATTTTTA ATTTTACATT ATAGTTTTTA       87660

ATAGTTAACA AGTTGTAAAA GGTTTGATCC CCAGAAAACC TTGATCTACC CCATCAGTTA       87720

AGTATACTAA TATATTTAGA AAATGGATGA AATCAGCATT TGAATATTTT TAAATATTTA       87780

TTAAAGAGG ACATGGGTAA AAGAGCTTTG CAGTTGCCAC CCTTCATTCT CAAATTCCCT       87840

GGATAAGGAT GACCGCATAA TCTTTGGATG GTCATACGCA AGTCTTGTGT ACTTGTTACA       87900

TAAATCTATT TAGTGGACTT TTGGCAGTGT GTACTGAGGC CAGTTTCTTC CACCTGAGCT       87960

CTGACTCCAC CTCCAGCAGC CCAAAACCAA TACTGAATTT TGGGGTCAGC TATTGTTTTT       88020

GTGGACTTAG GTAACTACAC ACACATTGTC TTTATGATAG CTTTAATAAT ACTGCCATCA       88080

GAACTAAAAT TGTCACGTGG ATTAAAAGGA GTGACGGTGG TGTCCCCAGG AGCCTTTCAA       88140

TATGTAAGTA TTTACACATA TACATGCTAA AAAGACCCCT AGGAATTTTT TAACAAGGGC       88200

AAAACAGTAA CTCAGCTTGT TTTCTCGCAG TAAAACCGGT TGAAAAGGCC TGATAGACTT       88260

GTCTGCAGTT ACAAAACTTG TGTGTAGTTA TCACCTTTAT ATCTCCTGGA AACTAACATA       88320

GACAACCGAA TGGGTTACAA CTGTTTTTAA GTGAAATTGT GAGTGGCTCT GAAAAGAGCC       88380

TTTTCAATGA GGAAGAAACG GGCAGACTTA TGCCCTTTCC CCACGGATGC GACGTGCCAG       88440

CTGGATATCT TTGGGCATGA TGGTGACGCG TTTAGCGTGA ATAGCGCACA GATTGGTGTC       88500

TTCGAAGAGT CCCACCAGGT AGGCCTCACA AGCCTCCTGC AGCGCCATCA CCGCAGAGCT       88560

CTGGAAACGC AGGTCGGTTT TGAAGTCCTG GGCGATTTCT CGCACCAGGC GCTGGAACGG       88620

CAGCTTCCGG ATCAGCAGCT CGGTGGACTT CTGGTAGCGA CGGATTTCGC GCAAGGCCAC       88680

GGTGCCCGGG CGGTAGCGAT GAGGTTTCTT CACGCCACCG GTGGCCGGAG CGCTCTTACG       88740

GGCTGCTTTA GTAGCAAGCT GCTTGCGCGG AGCTTTGCCG CCGGTAGACT TGCGAGCTGT       88800

TTGCTTCGTA CGAGCCATTT GCAATGAGAG CACACACAAA AGTGTAGTGA ACTGAGAGCA       88860

AGTGGCCTTT AAATATAGTG AGAAACATTC TGATTGGTCC TGTAATATTT CAAAAGTCCC       88920
```

```
GCGCGATAAA ATCATTGGCT GAAGAGTGAC CAGACTGATT GGTTCATTAC TAGACAATCT    88980

TATTGGATGA GTTGCCCCAC CGCCCATCCT GTCCTTTTCG TTTCAGTTAT CTGCAGCGAC    89040

AAATTGTCTA AAATTCTAGT TCATCCAGTC CCAAAGAACA GAGTGTATAA CAAGGTATCT    89100

AAGGATTTTT AAAATGTAAA TTCCGATTCA GTAAGTTTGA GTGGGACTTG AAATTCTGCA    89160

TTCCTGACAG TCTCGCAAGT TATCAATGCT GGTGAACACT CACTAAACCA CCAGAAACGT    89220

TCAGACTCAT GTCGGGAAAT AACGCTTATA TTCAGAGAAT GAGATTCCAT GCTATTTTGT    89280

TACTGGCGAA CAGCAAGTTT CCTTGCCCTT TGTTTTCTAA GTCCAAGTCA CATTCCCACC    89340

CTGCCTGTTC TCAAAATGTC TTATTTTGGT TGGCCTTAAG TTTCACTTTG TATACTCTAA    89400

AATGTACTTT CTAAAGGAAG GTGTTATTTT CTCGAAACTT AACTTTTTAA CACCATTAGG    89460

CTAGGGGGGC GGTGGCTCAC GCCTGTAATC CCAGCATTTT GGGAGGGCGA GATGGGACGA    89520

TCACTAGAGG CCAGGAGTTC AAGACAACCC TGGCTAAAAT GGTGAAACCC CGTCTCGCAT    89580

AAAAATACAA AAACTAGCTG GGCGCGGTAG CAGACGCCTG TAATCCCAAG TACACAGGAG    89640

GCTGAGGCAT GAGAACCGCG TGAAGCGGCG GGGTGGAGGT TGCAGTAAGC CGATATCGCG    89700

CCGCTGCACT CCAGCCTGGG TGACAGAACT AGACTGTCTC AAAACAAACC AATCCAAACG    89760

AAAAGCAAAA AATACCCTAA CAGAAGCAAG TTATCATCCT TTCTTGTGTA ACTATGGACG    89820

GCTCTGAAAA ATGCCGTTTC AAGTGTAAGC TACGTTTTCT GATTTGAGTG TTTACTTGAC    89880

CTTGGCCTTA TCGTGGCTCT GTTATTTTGG CAACAGGACG GCCTGAATAT TGGACAGGAC    89940

GCCTCCCTGA GCAATAGTGA CGTTGCCCAG CTGCTTGTTG ACCTCCTCGT CGTTTCGGAT    90000

GGCCAGCTGC AGGTGGCGGG GGATGATGCT GCGGGTCTTG TCACGTATGG CGCTGCCCAC    90060

CAGTTCTAAG ATCTCGGCGG CCAGGTATTG TAAGTACACT GGCGCACCGG CTCCGACCGG    90120

CTCAAAATAA TTGCCCTTTC GAAAAAGATG ACGGACTCTG CCCTATTGGG AACTGCAAGC    90180

CCGGTAGCGA CGAACAAGTT TTTGCTTTAG CTCCATTTTC CACGTCCGCA AATAGCGACC    90240

TATGAAAGCA GCGGAAAACT GTGAAAGACA AGCAAGCTGG AATGGCGCCT GAACAAATCC    90300

TTTTATACAA ACTGCAAGGC TGCAATAGGA AGCTATCCTA TTGGTCAATT ATGTTTGGTG    90360

CTTTATCCAA TAGAAAAAGA TAACATAAAT TCCATATTTG CATAAACCCC ACCCCTCAGT    90420

GAAACCGTGT TTCTTTTGTC CAATCAGAAG TGAGGAATCT TAAACCGTCA TTTGAATCTC    90480

AGGACTATAA ATACATGGGC TCTGAACTGT TCTCTGTACT ACTCTGTAGT GGAGAGTGTT    90540

AGTAGCTTTT CTATTCTGTT TAGGAATAGC AATGCCTGAA CCCTCTAAGT CTGCTCCAGC    90600
```

```
CCCTAAAAAG GGTTCTAAGA AGGCTATCAC TAAGGCGCAG AAGAAGGATG GTAAGAAGCG     90660

TAAGCGCAGC CGCAAGGAGA GCTATTCTAT CTATGTGTAC AAGGTTCTGA AGCAGGTCCA     90720

CCCCGACACC GGCATCTCAT CCAAGGCCAT GGGGATCATG AATTCCTTCG TCAACGACAT     90780

CTTCGAGCGC ATCGCGGGCG AGGCTTCTCG CCTGGCTCAC TACAATAAGC GCTCGACCAT     90840

CACCTCCAGG GAGATTCAGA CGGCTGTGCG CCTGCTGCTG CCTGGGGAGC TGGCTAAGCA     90900

TGCTGTGTCC GAGGGCACTA AGGCAGTTAC CAAGTACACT AGCTCTAAAT AAGTGCTTAT     90960

GTAAGCACTT CCAAACCCAA AGGCTCTTTT CAGAGCCACC TACTTTGTCA CAAGGAGAGC     91020

TATAACCACA ATTTCTTAAG GTGGTGCTGC TGCTATTCTG TTTCAGTTCT AGAGGATCAA     91080

CTGGAATGTT AGCGAAGACA AGTTTTAGAG CCAAGGTTAA CTTGGACGGG GCCGTGCGCG     91140

GTGCCTCTTG CCTTTAATCC CGGCAATTTG GGAGGCCGAG GCGGGCGGAT CACGAGGTCA     91200

GGAGATGGAG ACCATCCTGC TTAACACGAT GAAACCCCGT CTCTACTAAA AATACAAAAT     91260

AATTAGCTGG GCGTGATGGT GGGCGCCTGT AGTCCCAGCT ACTCGGGAGG CTGAGGCAGG     91320

AGAATGGCGT GAACGCGGGA GGCGGAGCTT GCAGTGAGCC GAGATCGCGC CATGGCACTC     91380

CAGCCTGGGT GACAGAGCGA GACTCCGTCT CAAAAAAAAA AAAAAAAAA AATTAAAAAA     91440

ATATGAAGTT TTGAAGCAGA AATTATTTTG TCGTATGTTC TTTCATAAAT TTTTTGCCTG     91500

CCTGCCTTCT TCCTTTGTTA CAGAACTCCA ACACTTACCC AAAGGTAGCT GTTGGGTCAG     91560

GGTTCTGTA CTATAGTCCC TTCTGTGGTG GCCAGAAATA TGTTACAGGA AAGAGGTCCC     91620

CATCCAGACC CCAAGAGAGG GTTCTTGGAT CCCGCGCAAG AAAGAGTTCA GGGTGAGTCC     91680

GCAGTGCAAA GTAAATGCAA GTTTACTAAG AAAGTAAAGT GGTGAAACGA CAACTACTCC     91740

ATAGACGGAG CAGGACATTC CCGAAAGTAA GAGGAGGAAG GCATCCACCC TAGGTACAAT     91800

ACTTGTATAT ATGGGGAGAT GTGCTCTGCT ACAAGTTTGT GATAAAGGAT TAATTTTCTT     91860

AGTTACTATA TTTTGCAAGA ATCAACATTA TTATCTTTAA ACAAAATTAA GAATGCCTTT     91920

GTTCTCCAGA TATAGGGATA TCTGGACACT CCTAAGTCTG AGTCTGTTTA GTAAACATTA     91980

TTTATTTGTT CCCTTAACCG TAAACATCTA GAAGCTAGGA ATGACTGACT TTCTGGGAAT     92040

GCAGCCCAGA AAGTCTCAGC CTCATTTTCC TAGCCCTCAC TCAAAATGGA GTTACTCTGG     92100

TTCAAGTAAC TCTGACACTT TTCTTCTCTT TTTTTCTTCT TTTTTCCTTC CTTTATTTTT     92160

TATTTTTTAT TTTTGAAATA AGAAATCAAG AATACTTGAT GTTTCATCTA AAACAATACC     92220

CATAATTGAT AAGCCAAAAC AAAAACCTAG GTCTTCTAAC TCAAAACTAG GATGTTTTGC     92280
```

TGTCTCTGCT GATACTCGGC TGATCGTTAA TAGGTAATTA ACAAACAAGC CTTGCTATGT 92340

CCCCCTCAGT TTATTACCAT TAGATCATAT GCCTACTGTC AATCATATTA ATCCACAACT 92400

ATGCATTTCA CAAAACTTGC CATAAAAATT CACAGGTTTC CCGCTTCCCT CGAGTTTTCA 92460

TTTCCGAAGG GTCCCATGTA ATATAAAACT TATATTAAAT ACATTTGTAT GCTTTTCTCT 92520

TGCTAATCTT TTTTTTTGTT TTTGAGACT GAGCCTTGCT CTGTCACCCA GGCTGGAGTG 92580

CAATGGCGCG ATCTCGGCTC ACTGCAACCT CCGCTTCCCA GGTTCAAGCG ATTCTACTGC 92640

CTCGCCCTCC CGAGTAGCTG GGACCACAGA TACGTGCCAC CATGCCCGC TAATTTTTGT 92700

ATTTTTAGTA GAGACAGGGT TTCACCGTGT TGGCCAGGAT GTTCTCAATC TCCTTACCTC 92760

GTGATCCGCC CGCCTCGTCC TGCCAAAGTG CTCGGATTAC AGACGTGAGC CACTGCACCC 92820

GACCAATCTG TCTTTTGTA GAGGGGCCTC AAGCATGAAC TTACTGATGG GTGAGAAAAA 92880

CAGAATTTTC TTTTCCCCTA CAATATAAAC ATTAATTGTA ATGTTATCAT TCAGGACATT 92940

TTGGTGACCA ATCTTACAGA AATTTTATCT TGTGCAAGTC TATGCAAACC AATATGTAAA 93000

TCTTCTATAA GTGAGATTGT ATTTCACTTT TCTAGTATCC TTTTAAATTA ATAAAAGAGA 93060

TTCTAATGAT TATTTTCATT ACTGCATTTC ATTGTAGGGA AGTAGATAAT TGCCCTTTAT 93120

TCACTGACCT TCGCTTTTTA AAAATTTAAA CCATGTTACC ATGAAAATGC TTTTCAGTAT 93180

TTCTCTACAC ACAAGATTGC TGTAAGGGCA AAAATAGAGA TAGGAATCAT GCATCCATTG 93240

ATATACATAT TTTGATTTTT AATACATGTT ACCAAGTTGC CTCCTGAAGG TCTGTTTACA 93300

CTCTCACCAA CAGGGTGTTT TTTCCTGACT TCCACAAATG CTCTTGAACA GTGGGTGTGT 93360

TAGTCTGTTC AAATTGCCGA CATGAACAAT TAAATCTCAT TGTTGTTTTT ATTTTTAAGA 93420

CAATTATTGT TTGAGACTGC ACATTTTGAT AATAACATTT CTTCTATTAT GGTTTGATTA 93480

CTCATGATTC TTGCCCATTT TCTTTTGGGA TGTTGCCTTA TGTACATTAT TTTAAATAGA 93540

TAGCTCCATG TATTAAAAGA TTATTAAGTT TGAGGGCTTA TGATATGTCA GTTACATTTC 93600

TAAGATTTTT TTTTTTTTTT TTTTTGAGAC GGAGTTTCAC ACTTGTTGCC CAGGCTGGAG 93660

TGCAATGGTG CGATCTCGGC TCACCGCAAC CTCCGCCTCC AGGGTTCAAG CAATTCTCCT 93720

GCCTCAGCCT CCCCAGTAAT TGGGACTACT GGCAAGCGCC ACCACGCCTG GCTAATTTTG 93780

TATTTTTATT AGAGATGAGG TTTCTCCATG TTGGTCAGAC TGGTCTCGAA CTGCCGACCT 93840

CAGGTGATCC ACCCGCCTCG GCCTCCCAAA GTGCTGGGAT TACAGGTATG AGCCACTGGG 93900

CCCGGCCACA TTTCTAAATT CTTTATAAGT ATAAATTCAT TCAATCTTCA CCAAAACTCA 93960

-94-

```
ATGAAGTGTG AGTACTATTA TTATCATTGT TTTACAGATC AAAACAAGTA ATACAGTCAC      94020

TTACTGAGTT CTATACACCT GGTAATTTTT TTGTTTCGTT GTTCTATCAA TTATTGGGGA      94080

AGGGGTGTTG AAATCTCTAC CTTTAAATCA TGTATGTGTC TATTTCTCCT TTCGGTTCTA      94140

TCAGGTTTTG CTACACATAT TTTGCAGTTC TGTTATTTGG TGCATATACA TTTAGAATTG      94200

CTTGTTTTTC GTATTGGATT GACCCTGTTA TCATTATGTA ATATCCCTGT CTGTTCCTAG      94260

TAATTTTCTT TGCTCTGAAA TATACTTATC TGATATATCA TCCAAAAGAC CACCAGGATG      94320

GCTAAAGAGT AGAAAGGAGA GATTTACTGG CAATACTAAT TTGCAAGCCA GGAAGAGATG      94380

GTCCCAGAAC CTGCCAAAAT TACTCTCTCT TTGGGGAGAA GGAGCAGGTT GGTTATTTTT      94440

ATGCCTCATA GGCTATATAT TACACAATAG AGTCATACAT ATTTAGCACG TTTGGGGGGA      94500

CAGCTATATA TATTATGAGG GGTGCCAAGT GCATTCACAA TGGATAAACA CGTGTAATAT      94560

ACCTCCCATG TTCACTTCGA GGTTAAATTT TGGTTAAAAT GAGGTAGAAT TTAGGTCTTT      94620

ACATCACAAG GTGAACTATA GGAACAAAGT TTACGTGCTG CCTCTAGCAG CTGGCTGAAA      94680

ATGGCTTAAG GTCTACAATT ACGTGTAAGA ATAGAATGTG TGTCAAGGCG GTCCTCTGTC      94740

CAATCAGAGT TGTAGTGGAC TGGACTGTAA ATCAGAGTTA GGAGGGCTTC TGATAGCTCC      94800

TATAGTTAAG GAATTTAGCA AGTGTGAGTT TTTTGGTAGT CTTTGGAATT TAGGAATTTG      94860

CCATGCCAGC CAAGCCATGA ATGCTCTACC AGTAGGTAAC TTTGTTTGCT TAATCTTAGA      94920

GTCTGTCTTA GTTGGTATAG GGGCATCTAT TTTGGTCTTT CAGATCCCAG ATATTATTAA      94980

TACAGATACT CTTGCAGTTT TGGGCTGATG TTTATATGGC TTATCTTTTT TGCAGCCTTT      95040

AATTTCAACC TGCGTTATGT TTATATTTGA AGTGAGATTC TTGCAGACAG TGTACAGTTG      95100

TTGTTTTTTT TTTTTTGAGA TGGAATTTCA CTCTTGTTGT CCAGGCTGGG GTGCAGTGGC      95160

ACAGTCTCAG CTCACTGCAA CCTCCGCCTC CTGGGTTCAA GGGATTCTCC TGCCTCAGCC      95220

TCTTGAGCAG CTGGGATTGC AGCCATGCGC CACCACACCC GGCTAATTTT TGTATTTTTA      95280

GTAGAGACAG GATTCACCAT GTTGCCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC      95340

CGCCAGCCTC GGCCTACCAA AGTGCTGGGA TTACAGGTGT GAGACCTCGC GCCCAGCCAA      95400

ACTGTTTTTT TATGGGTGTA TTTATACCAC ACACATTTAA TGCAATTATT GATATCTTAG      95460

GGCTTAAGTT CATGAAGGGT AGTGTGGGAA CCATAGTCTC TTGGCCCACT AAATGTTTGC      95520

CAGAAATCAC TGACAAGGCA GATTGATTAA TAGGTGAAAA GGCATTTTAC CTATTGTTTA      95580

ACGTGTCTAT GTGGGAGCAT TCAGAATTAA TTACCTAACT TCCCAATGAG TTATAGATGC      95640
```

```
TTATATACCA TTTTTAGATC ACAGAAAGAA TTGGGGCTTA GATTCTGGTA AAACAGGTTA    95700

TGGGAGGCAA AAGAGGTTTG GCTTGCAAAG GTGGCCTTGT TAGGTAGGTG AAGCCTCCCT    95760

CAGAAAGAAC AGATGGTAAA TGTTTCTTTT ATGATTTTTA AGTGTCAGAC TCTCAGTCTC    95820

TCCTGGATCT GGGGAAAGGT ATAGAAAGGT GAGGAGGCAT GGCTGCATTA ATGGAGATTC    95880

TCTACAGATG TAAAATTTTT CCCATTTAAG GCAGCTTTGC AAGCCCATTT CTGCCTGCTG    95940

GCCAAGCAGC AGCCATTTCA AAATATGTCA AAGAAATATA TTTTGGGGTA AAATATTTTG    96000

ATTTCCTTTA GACTGGTGGC CTTATAAGAA AAGGAAGAGA CACCTGAGCT GACACACATA    96060

CCCTTGCTCT CTCAACATGT TATGATGCAG TAAGAAGGCC CTCACCAGAT ACTAATTCCA    96120

TGCCCTTAGC TTCCCAGGTT CTAGAACAGT AGGAAATAAA TTTCTTTTCT TTAAAAGTTA    96180

GCCAGTCTGT GGTATTCTGT TATAGTATCA CAAAATGGAC TAAGTAACTA TATTATGATC    96240

ATCTTACATG ACTGATCCCT CCTACATCAT ACACATACAC AGGCCACATT TGGAACATTG    96300

TTAGAGGTTC CTCTGCCCAG TACAAATGTA CTACAAATTA TATATGTATT TTTAAATTTT    96360

TGAGTATCTT CAATAGTATA TTTTCGTTAA CTTTTGTAGT CAAAATGTCA TTATAACATG    96420

TATTCAATAT GCATAATTAT TAGTCAGATG TTTTACATTC TTTCTTCATA CTAAGTGATA    96480

TGGTTTGGAT ATTTGTCCCC TCTAAATCTC ATGTTGAAAT GTAATCTCCA ATGTTGGAAG    96540

TGAAGCCTGG TGAAAGGTTT TTGGATCGTG AGGGTGAACC CCTCATGAAG CGCACTCTTC    96600

AGGGTAATCA ATGGGTTCTC ACTTTGAGTT CACAAGAGAT CTGGTTCTTT AAAAGAGTGT    96660

GACACCTCCC CCATCTCTCT CGCTCAGCTC TCACCATATG ATATGCCTAC TCCCTCTTCA    96720

CCTTCCACCA TGATTGGAAG TTTCCTGAGG ACTTGCCAGT AGCAGATGCC TGCACCACAC    96780

CTCCTGTACA GCCTGCACAA CCGTGAGCCA AAAAAAATTA CTTTTCTTTA TAAATTAGTC    96840

AGTTTCAGGG ATTCCCTTAT AGTAATGCAA GAACGAACTA ACACACTAAG TCTATTTCAT    96900

ATTTACAGAA TAGCTCAATC TGAAGTACCC TTTTTCAACT TCACAGTAGC TACTTGTAGC    96960

TAGTGGGCAC TGATTTGGAG CGTGTTCAAG GGTGAATTGT ATTATGCAAT TAACAGATTT    97020

TTTTTATTGT TTTCGCAAAC CACGAGGCAT AGATTGTCTT ACTTTCTCTG CTCCTGGTGT    97080

TGGAGTTGTT ATTGGGAAAC AACTTATTTT CCTCTTATAT TTATATGGAA TAAATAACCC    97140

CCAATATTTC CCTCCCCAAT ATCTGCCTTT TGTATGTTTT TTGAAGGCAA GTGCCTAGAA    97200

TTTACTGTTT TTGAAGCACT TACTGAAAGG ATTGCCATCA AGTTGTTTTG CTAATAGTAC    97260

ATGCCAGGCG CTTGTTGGTT TGCTTAATTC AAGGTAACTT GGATGAGAAG AAGAGTTTTT    97320
```

CTCATCCATG GCTCAGTGGA GTATAGATTA CTGATATTGT GACTGGATGT ACTCCTGCTT   97380

TCTAGTCTGA GTTTTTGAAG CTACCCTTAA TCTTGGTTTC AATTTTATCT AGCCCTGTAC   97440

ATATCCAAGG CTCTTTCCAA AATGGTCTAC GATTTGTTTA GGAAGTTAGA ATAGCTGTAC   97500

TTTCTGAACC ACGGTTCCTG ACATTTTCTG GACTTCAAAC ACATCCAGCA TTTTATCGAA   97560

GTATTTATCC TTCCTACTTG GCTGGCTTCT TCCTTGCCTT CAGGTCTGAA TTCAAATGAC   97620

ATTCTCCTGA TGAAACTTTC CATCCTTATT TCTATTCTTT TTTCTTATCC CCTTTCTTTA   97680

TTTTTCTCCA CAGCACTCAT CACTTATCTC TACATTTTCA TTATGTATTT ACCTTATTGT   97740

GCACCTCCCA CTACAAGACA AGTAGCACCG TAAGGAAACA GGTTGTCTGC TTTTTCACTG   97800

CTATGCTCCC TGCACCTAGA ACACTCTCTG GCACTTAGCA GGTTTTCAGT AAATATATGC   97860

TGAACTAATA ATGCTGGATA TACATCTCCC TCATGAACTC TCTAAATCCT TCTAATTTAC   97920

ATTGATCAAT CTTCTTTTCC ATGTGCTTTT GTATGATTTA TTGCTCAAAA TCTTTATTTT   97980

ATATGCAGAA CGTGCACTGC TATTTAATCT TCATGTACGT AAGTCCTCCC TTCTCTGAGT   98040

ATAATCTCTT CAGGGCACTA TCTGAGATAA CTTTTTAACA TCTCCATCAT GAATCTTGTA   98100

CCTTTTCAAA GAAAATGAGC CAGTGATTAC TGATGTTTAC GGCTATTGTT GAGGGTGAAG   98160

ATCATTATAA TTTTGAAAAG GGAAGTTGAA TATTGTGAAG GGAAAGATAA CACTAGAGTC   98220

AGAAGACTTG GGAGAAGGCA AAAAACAAAC TAAAAATGAG CACTTTTAGT CTCCTGACAG   98280

TTTCTCTGAA TCAAATCCAT AGTTCTGTGA CAGCGTTGGC TTAGAAGCAG ATTTTTTTT   98340

TTTTTTTTTT TGAAATGGAG TTTCGCTCTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC   98400

GGCTCACTGC AACCTCTGTC TCCAGGGTTC AAGCGATTCT CCTGCTTCAG CCTATGGAGT   98460

AGCTGGGATT ACAGGCTCCC ACAACCACGC CCAGCTAATT TTTTGTATTT TTAGTGAAGA   98520

CTGGGGTTTC ACCATGTTGG CCAGGCTGGT TACGAACTCC TGTTCTCAAG TGATCTGCCC   98580

GCCTTGGCCT CCCAAAGTGT TGGGATTACA GGCATCAGCC ACCGTGCCCA GCCAGGAGCA   98640

GATTTTTTTA CACTCATGTT TCTTTTTCCT TCTGTCATCC TGTTTCAGTA TAAGCAGACC   98700

ACAGATAGAA GTAGTAGATA CCTCAGAAAT TCCTGGAATA ATTAATCCAC GTTCATCTGT   98760

ACTCCATCTG CTCCTATCTC ATGGAATATA AAAGGAAAAA CACCAAGATT TCCCTAGGCA   98820

ATCTGTCTTG ATTTTAGGTT CCTCAACAGG AGAGCCAGAC AATGGCTGTA ATAATATTGT   98880

CCCGGCCAAG GAAAAACTTC CCCTTTGCCC TCCCAAGGTT TATGGAAAAT TACTGGCAAA   98940

ACACAGATTA ACTGGAGAAA AGGCATATAT ATTTATTTCA TCACAATTTT ACAGGAGATT   99000

```
TTAGAATTAA GACTGAAAGA TACAGGGGAA ATTGCCCATT TTTATGCTTA GGTTCAACAA      99060

GATAAACAGC TGTATAGGGT ACGATCTAAT GCTAACAGAC TGAGTGGGGA AGCCCCGCAA      99120

GGCTTGTCTG TCAAGATTCT TCTTGACCTC TCAGTGCAGC ATTTCTTCCT TCTGGTTATA      99180

GGACAAGACT CTCTTTTAGA ATGGGGGGTC TTATGACCTA CAGGCAAACA AGGTAGGTTA      99240

GAGTAATACT TTTAGGTTTT ATGGCTGGTT CTAGGGAAAA GGAGTTCTGG TTTGTATGGC      99300

CTACCTTGAG GAGGAATTCT GGTTTCTATG GCTAGACTTT GGGGAGAATG GGACTTACAG      99360

ACAGGAAGGC AGAAGGTGGT CAGTGAAACA CTTTTATAAT CATAATCCCA TTTTGAGTAT      99420

TTCTGTGTTA TGGAATGTTT GTTCTCTCAT TTCCTGAAAG ATTCCAGAGA CTCCTCATTC      99480

AGTGTTGTGA AAAAGTTCAG GAAATGCAAC TCAAAAATGT GCCACTTTGT TACGCTGATT      99540

TCTTTGAACT GAGGGCACCT AGGAAACAGT AAATTCAAGG AAGGGCTTTC GCTGAACTCT      99600

AATCAAAAAT TTGAAAATTA AAAAAAAATT CAAAAAGGAA TTTAGTTGTT AAGATTCACT      99660

TCCCTGGGGA ATCTCATCAA CCAGAGAAGA TTAACTGTAT CACAGGAGAG GAGACTGGTG      99720

GTTAACACCA TCTAAACAGA CTTTGTCACA GCTGTCACCT ATTCTTTGAA ACACCCATTT      99780

ATTTTTCTCC AAAATCATAT ACTCTCCCCT AAGTTGCCTA CATCCCCCTT CTTTCTCCCT      99840

TATGAATCAA GAGAGCTTAT AAGCTTCTAC AGTTCACTGG GATTTGGGGT ATTCGCTTTT      99900

CTTCCCTCCC ACTCCCCCTC CCCTTTTTTT GTCTTTGAGA CACAGTCTTC TGGCTCTGTC      99960

GCCCACGCTG GAGTGTGGTG GCTCTATGTG AACTCACTGC AACCTCCTCC TCTCGGGTTC     100020

AAGCGATCCT CCCACCTCAG CTTCTCGAGT AACTGGAACT ACAGGCGTGC ACTACCAAGC     100080

CCGGCTTTTT TTTTTCTTTT TCTCCCCCGT TTCTTTTTTG GTTATTTTAC TGGAGACAGG     100140

GTTTCTCCAT GTTGTCCACG CTGGTCTCGA ACGCCTGACC CGCCGTCCTC GGCCTCCCAA     100200

AGTGCTGGTA TTACGGGCAT GAGCCACTGC GCCCGATTTG AAGGACCTCT TAAATATCTA     100260

TTTAGAAATT GGTCGGAGTC CACTCCTTTC CAAAAACATG AGTCACAATC CGGGAAAAGC     100320

ACGAGCGGCT GAAAGTCAAA ATAACCAGAA CAAAACCTCC ACTCATGCTT AAAAAAGGTA     100380

TTTTGACAAA ATCCTAATTC GGCCAATTAT TATTAGTATT CAAGTCGAAG GCTCGTCAAG     100440

CCAGACTGGG GATTGGGTCA AACATAAACC TTACACCAGA CGGAAGGATT ACATGCAAAT     100500

GAAGGATGCA GATTCTGATT TCCCATTGGG TATTTGACAT TAGCCAATGG GAGAATTCCT     100560

CACAGCCTAC CTCCAGTCAG TATAAATACT TCTCTGCCTT GCGTTCTAAT GTAGTTTCAT     100620

TACATTTTCT TGTGGCGATT TTCCCTTATC AGAAGTAGTT ATGTCTGGTC GCGGCAAACA     100680
```

```
AGGCGGTAAA GCTCGCGCCA AGGCTAAGAC TCGGTCTTCT CGTGCAGGTT TGCAGTTTCC  100740

TGTGGGCCGA GTGCACCGCC TGCTCCGCAA AGGCAACTAC TCCGAGCGCG TCGGGGCTGG  100800

CGCGCCGGTG TATCTCGCGG CGGTGCTTGA GTACCTGACC GCCGAGATCC TGGAGCTGGC  100860

GGGCAATGCG GCCCGCGACA ACAAGAAGAC CCGCATCATC CCGCGCCACC TGCAATTGGC  100920

CATCCGCAAT GACGAGGAGC TTAATAAACT CTTGGGGCGT GTGACCATCG CGCAGGGTGG  100980

CGTTTTGCCT AATATTCAGG CGGTGCTGCT GCCTAAGAAA ACTGAGAGCC ATCATAAGGC  101040

CAAGGGAAAG TGAAGAGTTA ACGCTTCATG CACTGCTGTT TTTCTGTCAG CAGACAAAAT  101100

CAGCCTAACA GCAAAGGCTC TTTTCAGAGC CACCTACGAC TTCCATTAAA TGAGCTGTTG  101160

TGCTTTGGAT TATGCCGCCC ATAAAGATGT TTTTGAGGTG TTTTTAATGG CTTTGAGTGT  101220

GGCACTTTTA GTAATTTGTC CTGCAGAAAT TAGATCCATA GAAACCTCAG GAATTCTAGG  101280

TATGTGGGAG AAGTGCCATG CAGCACAAAA CATGTTTACA GGGGTGATTC GCGTTAAGTT  101340

TCACACACAG CAGTTACTAC ATTTTAGAGG AAGGAAATTA TACCCATGAG TGCATTCCTA  101400

ACTATCTTGA ATGGAAGTGT TAAAACCCGC ATGCCCCACA CAAGTTTGAA TATGTCATAC  101460

CATTTGCTGT AGCAATTAAT GGCATACACA ATTGAGAGCA CACACATTAC CACTGAACAT  101520

TTGAGTATGT ATTTCCCAAA ATGAGCTTTT TTCCAGTTTG GGGATGTTTT GCTTTGTTTT  101580

GGGGTGGAGT CTCCCTCTCG CCCAAGCTGC AGTGCAGCGG CGTGATAACA GCTCACTGTA  101640

ACCTCGAACT CGGGCTCAAG CGATCCTCTT GACAGCCTTC TGAGTAGCTG GGATTACAGG  101700

CGAGAGCCGC CACGCCCGGC TAAGAGCATT TTTCTAATTG CCCACACTTC TTATGCGACA  101760

CCCAGAAAAA TACAATTTTA AATAAAGCGC ATATGCAAAT TTCCCTAATC GTCTCCAATA  101820

TTCTCTGATT TCTTTTTTAT ATTTTAACTA GAAACAATTG GAGGTTTCCG CGTTGCTTTG  101880

TGTGGTTGTA AATTTTAAGA CTTCAGGAAA CTTTTCCAGT ACAAGACTTG TCCACAGTGG  101940

ATATAGCAGC TAAGGGGTTA ACAAAATGAC GTCAGAGTAG CTACGGTAAT GGGCAGGAGC  102000

CTCTCTTAAT CTGCAACCAG GCACAGAGAT GGACCAATCC AAGAAGGGCG CGGGGATTTT  102060

TGAATTTTCT TGGGTCCAAT AGTTGGTGGT CTGACTCTAT AAAAGAAGAG TAGCTCTTTC  102120

CTTTCCTCCA CAGACGTCTC TGCAGGCAAG CTTTTCTGTG GTTTTGCCAT GGCTCGTACT  102180

AAACAGACAG CTCGGAAATC CACCGGCGGT AAAGCGCCAC GCAAGCAGCT GGCTACCAAG  102240

GCTGCTCGCA AGAGCGCGCC GGCTACCGGC GGCGTGAAAA AGCCTCACCG TTACCGCCCG  102300

GGCACTGTGG CTCTGCGCGA GATCCGCCGC TACCAAAAGT CGACCGAGTT GCTGATTCGG  102360
```

```
AAGCTGCCGT  TCCAGCGCCT  GGTGCGAGAA  ATCGCCCAAG  ACTTCAAGAC  CGATCTTCGC   102420

TTCCAGAGCT  CTGCGGTGAT  GGCGCTGCAG  GAGGCTTGTG  AGGCCTACTT  GGTAGGGCTC   102480

TTTGAGGACA  CAAACCTTTG  CGCCATCCAT  GCTAAGCGAG  TGACTATTAT  GCCCAAAGAC   102540

ATCCAGCTCG  CTCGCCGCAT  TCGCGGAGAA  AGAGCGTAAA  TGTAAAGTCA  CTTTTTCATC   102600

AGTCTTAAAA  CCCAAAGGCT  CTTTTCAGAG  CCACCCACTT  ATTCCAACGA  AAGTAGCTGT   102660

GATAATTTTT  TGTTGTCTTA  ACAGAACAAA  TTTCTAAGGA  CCCCCCCGGA  AAGCATTAGA   102720

CTATGGTCTT  AAAGTTGATT  AACAGAAATA  ACGGTTTGGT  CAGTCTTGCA  GTGTAGGTTA   102780

TTTCTGACCT  TATTAAGGTG  CTATTTGGAG  AGAAGCTGTG  TAAGTCCACT  ATCATTCAGG   102840

CCTCTAGCTT  GCTATGATTA  GCATTTGTTT  AAACAACTTT  GTAAGAGTAA  GGGAAAAATC   102900

TGGTAAGTAG  TTAACTGGCG  CTTACTAGGC  ATTTTTGCAA  AGCTTTGAAA  AGATTAGAAA   102960

ATTGTGTCTT  GCGAGTTCCA  GTGTCTTCCT  CAAAATGCTT  AGGAAGATTT  TCTCAGCTCA   103020

ATACATAGTC  CCCTAGGTTT  TCTCATATAT  TATATATATA  TATATATATA  TATATACTGT   103080

TAAATTCATT  TGGCTGTTAA  CATTAACCTG  AAATTTATTC  TGGTGCAAAA  TGTGAGGCAG   103140

GGATCTAACT  GGCTCTCATT  TTATCCATAG  CTAGCTACCC  ACTTTAAATC  TGTCAGTCTG   103200

TCGACCAAGC  ATAATTTAAT  CCCTTATATA  TGAATTTTTA  TATGTGTGGC  TTTGCTTGTA   103260

AATAGTCTAT  CTGGTTGCAT  TGCTTTGTCT  CCTCTAGGAC  TATGCACCAT  GACATGCCAC   103320

ATTCTTTTTT  TCAGTACTTC  TTGCCTGTAG  TTATTAAAAT  CTAGAATTTA  CAAGTTTTAA   103380

CCATTTTCTT  TCTGTTGATC  TTGCTTTTCG  GTTTTGGAGG  TTGGGGATTG  AGTACTGGAA   103440

GAAAATTTAG  AGGGATGGGA  ATACTGTACG  CAAACAAAAG  TAATATTTAC  TTTAAAATTT   103500

TTATATTTTG  TATTTTTTTA  TCATATAGCT  TTTACATCAC  ATTTTACAGA  CTAACTTTAG   103560

AACAACCACA  GAATGTCCAA  CATTAAAACT  ACTAATTCCA  AAGACCTTGC  CTCACATTCT   103620

TTTTTACAAT  AAATATTTTT  TACACCTAAC  ATTCTTTCTT  GGCCTACATC  TAGAATGTAA   103680

ACTGATGTAC  CATACTAAAA  TCGCCTGACC  AACTGTCAAC  AACAACAAAT  CACACACACA   103740

AAAGATTAAA  TTTGAATTGC  ATCGTTTACT  TAAATTCATT  TGTGTTCCAG  CTTTTAATAA   103800

GGCAGTTTTT  GGTTTATAAA  GTAATATTTG  CATTTTAAAA  ATTATGAAAA  TGAATATGTC   103860

AGTTTGTTTT  ATGATTCGTT  TTTCTTGACT  CTTATACAAG  CGACTCTAAC  TGGCATAGAC   103920

ATTTGTTATC  CACAGACAGT  ATAGATATGT  TAGAGATGCC  AATGGACTTG  GTCTATGCCA   103980

AGGTGACTAC  TCACAAGCTC  TGGGCCCAGC  TGAAGGTCAA  GTATTTTTTT  TCCAGTTATA   104040
```

```
GATGTGCTGG ATCTGATGTA TAGCGCTTGA CTTTTTATAT TTTCTTTATC TGTAGGAAAC    104100

AAATGTGTTG GAGGTACTGG GTCTGACGAA TAGCATAAAA GAATAAAGTT ACATTACTGT    104160

CTGAGGATCA GATGGACAGG GGGTGGTAGC TCAGTCCAGC TATTTTCCAC TCCCTCACTT    104220

ACATTCTTTG CCCCCTCCTC AACAGAACAA GGATTCTGCT GTAACTCTTC ATTGACAGTT    104280

GATATTTAAA AATTAACGAA TGGATGAAAT TCTCATTTGT GAAAGAAAAT TTATTGAGCA    104340

TTTTGTATTT GTGAGTAGTG CAAACATTTT AATATTATAT TAAGAATCTA TTGTTTTGTA    104400

TTAGAGGAGT AATTAAGGAG AGATTGGAGA CAAAAAGGGG GTGTTGTTTG CAGAATATAC    104460

CATCCAAAAA TAGACCACTG TGGGATCAGG ATTCTTTTGA GCTAAAGGCA CTTCAAAAAC    104520

AGCATTCAAG AAGGGAATTC TTCTAAACTT TTCTTTCTGA AAACAGGAGA TAAAAGTTCC    104580

AATGTGAAAA ATGCTCTGCT TGTACCAGGT GAAAAGACAT ATTCTTCAGC CCAGAGGCAT    104640

AGATGAGATA ATTCTGCACA AACACAGCAG GGAGTCATAG CCGAGAGACT TCTATACACA    104700

AACAAACCTT GTTAAAATAA TCATATATTC CTTTAATCTC CTCATATGGT TTACTTTCCC    104760

ACAATTGCCT CTCTTTAACT TAATGTGAAA GCATTTAGCT TTTGCCATTT CTTTGGGGCT    104820

TCACTTTTTT ATGAGGGTTC TCCTGTCCCA TAAAATTTAC ATTAAATACA TTTGTATGCT    104880

TTCATTCTGC TAATCTGTTT TATGGCAAAT GAATTATCAG GTCCAGCTGG AGACCCTAAC    104940

AGAGTAGAGG TAAAATTTTG CCTCCCTACA AGATAGAGAT TGTGTGCATT AAATGTTGTT    105000

TGTTCCCAGT TGTTCAGTTT GTCAGGCCTC TGAGCCGAAG CTAAGCCATC ATATCCCCTG    105060

TGAACTGCAC GTATGCCTCT AGATGGCCTG AAGTAACTGA AGAAACACAA AAGAAGTGAA    105120

AATGCCCTGT TCCTGCCTTA ACTGATGACA TTACCTTGTG AAATTCCTTC TCCTGGCTCA    105180

TCCTGACTCA AAAGCTCCCC CACTGAGCAC CTTGTGACCC CCACCCCTGC CAGCCAGAGA    105240

ACAACCCCCT TTGACTGTAA TTTTCCACTA TCTACCCAAA TCTTATAAAA CGGACCCACC    105300

CCATCTCCCT TCGCTGACTC TTTTCGGACT CAGCCCGCCT GCACCCAGGT AGAATAAACA    105360

GCCTTGTTGC TCACACAAAC CCTGTTTGAT GGTCTCTTCA CACGGACGCG CCTGAAACAG    105420

TTTAACAGGG TTTTTCCTGC CCAGTCACAA CAAAGTGATG TTATGCTGCA GGCTGAAGTT    105480

TACAGCTAAT GCTGTTGAAG TCTAAAATCA GTTTTGGTTT GTTAGATTTG GGTGAGATGG    105540

CTAAGATTCT CAGAGAAAGA AGTCAAGTTT GGGGTGCATT TTTCAGACTT AAAAATTTAG    105600

CAGTAGCCCT TGCAGTTTTT CCAATAGAAG TGATTTAAGA ATGTTTTCAG GAAATTTAAA    105660

ACAACAGTGA GAAGCGTGTA TGGAGAGTTG AACTACACTC CAGACTTGGC TATAGGAAAG    105720
```

```
CACGAATGCT GCTATTGTAT TGCACCTTGG AAAAGAGAAC AAAGGAATAT TTTCGGACAA    105780

TTTTAACATG TCACATATGA AAAGCTAAAC GGAATCTGTC AACACCTTGT ACGTTATTAC    105840

AGGCTGTGAT TTTAAAAAAA CAATCCTTAC TAATACATAC ATAGTTGCTG CTAGCAATAT    105900

AGTGTTGGGA GTAAAAACAC GAAAATGAGA GTTCAGGACA ATATCCCAAC TCTGAGCAGA    105960

TTTTTTTAAG TAGTAACATC TAAAATTAAA CCATATTATG TAATATTTAT TTCTTTTCCA    106020

CAGTCTCTTC TCATGCCTCG TTCACATTAG CTAATTAAAA GTCCCTGAG TATCATCATA     106080

ACCCGATTTA CAGATGAAGG CACGGTTGCA ATGAGCTATC ACCCTCTTCT GAATGAGACA    106140

GTACAGTGTG AAGGATAGCA AAACTCCACT CCCATCCTCT TAGGGCTCTG GCTGGACCAG    106200

CAAATTAAAT TAATGTAAAA TGGATTAACA GGAGAAAGGT ATATGCATTT ATTTAACACA    106260

GGTTTTACGT GACACAGGTG CTCTCATAAG GTAATGAAAG CCCAAAAAAA GCAGTTAGCT    106320

ACTTATATAA TGAATTGGAC AATTAGTAAA ATGTAAAAAT GCGCTAAAGC AAAGGGATTT    106380

AGGCTAGAAT ATATAACTGT GTAGAGAAGC GCCCAGCAAG GGCTAGTGCA AGGTTTGTAC    106440

AGAATTCTCT TGGCCTCAGC CTCCTATCCT TGAGAAGAAT GTTGCTTTTT TTAAACTACA    106500

GTGAGAACAT CTTTCATATG AGAATTTCAC CTACTGCTTC TAAGAAACAG GTCAGCTTTC    106560

AAGAAACAT AAGGCCAGAG TGATCTTTTC ACGCCTGCTC TTTTAAGTAC CTTTGAATAG     106620

TCAATATGTC TTCAAGCACT TGAAAGACTT AAAAAGTTTA CCACTCCGGC ATATTAGTGA    106680

AAGCCCTTAA TATAAGCCCT TATTAAAATT CTCAGTCGAG GGTATAAATT CAGATTCAAA    106740

TAGTAGTGTC GTAAACGGGA GGGAAAAACT AAAGGGATTA AAAAGTGAAA CTATTGTGTT    106800

CTCCCTCGCA GTCCTTAGGT CACTGCCCCT CGAGGGGCGG AGCAAAAAGT GAGGCAGCAA    106860

CGCCTCCTTA TCCTCGCTCC CGCTTTCAGT TCTCAATAAG GTCCGATGTT CGTGTATAAA    106920

TGCTCGTGGC TTGCTTTCTT TTCGCGTACC TGGTTTTTGT TGTCAGCTGG TTAGACATGT    106980

CTGGTCGCGG CAAAGGCGGT AAAGGTTTGG GTAAGGGAGG TGCCAAGCGT CACCGAAAAG    107040

TGCTGCGGGA TAACATCCAA GGCATCACCA AACCGGCCAT TCGGCGCCTT GCTAGGCGTG    107100

GTGGGGTTAA GCGAATTTCC GGTTTGATTT ATGAGGAGAC TCGTGGCGTT CTCAAGGTGT    107160

TTCTGGAGAA CGTGATCCGG GACGCCGTGA CCTACACGGA GCACGCCAAG CGCAAGACTG    107220

TCACTGCCAT GGATGTGGTT TACGCGCTCA AGCGTCAAGG ACGCACTCTG TACGGCTTCG    107280

GCGGTTAATC TTTTCGTCAG TTTTCTTCCA ATGGCCCTTT TCAGGGCCGC CCACTCCCTC    107340

TCAGAAAGAG CTGTGATTGT ATTCTTTCGG ATGGTAACAT CTCAATGGCT TTACTCGGCT    107400
```

ATTCTGCCTA GTATGTAGAA CTATTATAAA CCAGTTGGGA GAGACCAGGT TGTTTGGTCT 107460

GAGTGGCTGC TAAAGCAGAA ATCAGCTAAG TAAACGAGGT CTCCGAGATA AGTGAGCTAT 107520

AAACTTCAAT GCTATAGTTT TGACATGTCA AGCAACTTAA CGTGCAGCGC GAGTCCGATA 107580

AATGAGTAGC TCAGCTTTTT AGTTTTAAAA ACGAGTTGTG CGTTATTTGT ACGAGAGCCT 107640

AAGATGCTAG CTGCCTGGAA CTGAGTAGGT GGATTAAAAT GGGTGTCAGG TCTGTTTTCC 107700

CAGGCGTATC TGACTTAACG TCAGCAAAAG CTGTACTTTT AGCTTCCCTG GTAACACCTG 107760

CCGTCCTTAA CCGCCCCCTG CCGGTAGCGC CAGAAGCCTT TACTTCCATT TCTAGTTGAG 107820

CTTGGCGTCC TGCTGAGTGA CGTCACCTCC CCCTTCTCTG GAGTAGGACT GGCGGTTAAA 107880

GCTGCTTTGC TATTTTCAGT CCTCAGGCTG GAGGCTCCCC TAAGCAGGCT GCCTACGCAG 107940

TTCGTAAATT CCCACTTAGT AGACTAAGGG AGTCTGTTTT ATAAATAAGG ACTCAAATTT 108000

CTTCTGACTC CGAGGTCCGT GGCAGCAGCT ATAAGATGGA AGCCCCTCT GATGTAAGAT 108060

TCTCAGATGA CTTGCATCTT CACTGTACCT GTCAACCCAA TAGTCTTCTA TTCCTGCCTT 108120

AAATTGTAAA TTCCAAAACT GATTTAATTG TGAAAGTTTC AAACTGTACG ACCTAGGAAG 108180

TGTCAAAGTT AGGTGACCAG ATTTTTAGAA GTCAGCCAAA TATTCAGCAT CTTTGATTTA 108240

GTAACAAATA TATTGATGGC TACTTCAGCA AAAAAAATCA ACTTTGTTTT CTGGTTACTT 108300

TGCTAACAAG CTTCTCCTGA CAGGAGGATA TAGTGAATAG GCAGTTGAAT AAGTGAGTTC 108360

GGGTGAGAGG TCTGAGCTGG AGATAAAAAT GTGTGAGTCA TCAGCAGATA AATAAATGCT 108420

GAGACCAGAT GAGATGGCTA AAAACTGAAA CATAATGTAG TGCAGCATTG TTTGTAATAG 108480

TAAATGAGTG GCAACTGTAA AGTTTTCATC AGAAAGGACT AGAGTGATCT ATACATCCAT 108540

AAAATAGAGT ATTTCTCTAC ACAGCCCTAC TAAAGAATGA GAAAGCTGTA CTCCACTACA 108600

TACTCTGGTG TACTCTGGCT CAGTTCTTGG ACTCCTCTTT TCTTGGCTAA CTCAACTGGC 108660

CTCACCACTT ACATGCTCTG TGCTCTGTCA AATAGTTTGT TCAACAGAAC ACCACGGCCT 108720

AGCTGTAAGT GCCACGTTAA CTTCTAGCAA TGCCAAAGCC TGTGATAGTG GCAGCTTCGG 108780

GCTGTTTCTC ATTCCCGGGA TGCCTAACCA CCTCTCCAAA TTCTATCAGT TTGCTTCCAC 108840

CCACTTCAAG CTTCAGAACG AAACATAGAG CTTAAGAAAT ATAGGCCCGG CAAGGTGGCT 108900

CACGCCTGTA ATCCCGGCAC TTTGGAAAGC TGAGCCTGGT GGATCACCTG GGGTCAGGGG 108960

TTCGAGACCA GCCTGGCCAA TATTGTGAAA CCCCGTCTCT ACTAAAAAAA AAAAAAAAAT 109020

TAGCTGGGCA TGGTTGCGGG CGACTGTAAT CCAAGCTACT CGGGAGGGTG AGACAGGAGA 109080

```
ATAGCTTGAA CTCGGGAGGC AGAAGTTGCA GTGAGTTGAG ATCGCGCTAT TACACTTAGG   109140

CCTGGGAGAC AAGAGTGAAA CTGTGTCTCT AAATAAGTGT TTGCAATTAT AAACCATCTC   109200

CCTGACCTTA AATCTCTAGA CTCATATACA ACTGCATATT TGATGTATCT AATTGAATAA   109260

TGGGCATCTC GAACTTGTCC AAAATATGTT TATACGTAAA CACCAAGTCT GTTCTTCCTC   109320

TGATATTTGT CATGTCAATC AATAGAACTC CATTCTTCAA GCAGCTTGGG CCAGGAATTG   109380

TGCAATATTG TTTGTCCTGA GCTTCTTACA ACTTTCACCC AATGCAGTCA GCTCTGTTGA   109440

AAATCAATCA GAATACCTTT CATTGTTTTC TTTGCTGCTT CTCTAGGAGC AAGCTGCCAT   109500

GGCGGTTTGT CTGAATGACC ACAGTGACCC CAAACTGGTC TTTGTTTTCA CTTTTAATCC   109560

CCCTGTCATA CAGTTTTTTC TCTATCCAGC ATCAACAGTG ATCCTTTTTG AAGGTATTAT   109620

GTCCACTGTC TGCTGAAAAG ATTCCACTGG CTTTCCATCA CCTTCATAAT AAAAACCAGC   109680

ATCCTTATCA TAGCCTACAA GTAAGATGAC CAACCATTAC AGTTTGCCTG ACTCTCAGGG   109740

GTTTCTCAGG GTGTAAGACT TACAGTGCTG AAACTTAGAA AGTTCCAAGC AAACTAGGAT   109800

GAGCTGCTCA ACCTACTAGA TCTGTACTCT GGCTACCCTC TGACCTCATT CTCTTCGCAG   109860

TTCTTTCTCT TCACTGACCT TGCTGTTTCT GGAATGGACC AAGCATTTCC AGCATCAGCA   109920

CCTTTATATC TATTCTTTCT CCCTAGAAGG GTCTTGTCCT GGATATCTGA ATGGCTCTAG   109980

ATCTCATTTC ATTCAAGCCT CTCCTCAAAT ACCAACCTTA CGAAAGAGAC CTCCCATAAT   110040

CATCCCTTGT AAAATAAGCT TTTCTGCTCA TTTAGCATAT ATATATATAG TTGACTATCC   110100

TCAATAGCAT ATATATATAA CATTTCCCCA CCTAGAATTA TATATGTAAT AATATATTTA   110160

ACAAAAAATA CATATAACTA GATATATTTT ATTTTGTGTT TGTTCTCTCT CCCCCAACTG   110220

GAATATATTT TTTGAAGGTA GGGACTTTGT TTTGTCCCAG AAGTATCCCT AGCACCTTGA   110280

ACAGGGCTGA CGTTAACAG GTAGTTTATG GAGGTTTGTT GAATGAAAGG ATGTGTGAAT   110340

TTTCTATGTA AGTCTCCAGG CTCTCCACTA AGCCCACCAG AATGCTAACA CAATCAATTC   110400

CCCATCTCAT TCCTTGACCT GCCACTGCCT GAAGCAATCA GCGTGCAGTT TCTCTTTAGA   110460

AAATCTGGGG GATAGTCTAG GGGTTGCAAA TTAAGCAACA TTATCTTTGT TCTGAACAAG   110520

GACTGCATGA GTGTTAGGAC TGAAGAAGGC CCAAGGTGGT GGTGGGTATG CCTAAGATGA   110580

GTATGACATA TCAGCAATGC TATGAACATA GCAATGCTAT GAAAGGCCAG GCAAAACGTA   110640

ACAGGAGCTA GTCGTGGCTT ATTGTTACAA CGACTATACC TCCCATATGG GTAATCGATA   110700

TCCACACACC CCTCTACATT GACTCTGGAA TTCAGGAAAG GGAATTAAAA TTTTCTAACT   110760
```

```
TATGTACCCC AATGATTTCA ACAATATCTG GCATATGAGA TCAATAAATA TCTTTAAAAT    110820

ACCAACTAAG AAAGACATAA AATGACCCAC CCTCCATACC AGGCTCATTT TTGCTCCTCT    110880

GATTCCTGAA ACTATCCAGA ATGCAGCTAT GAATTCTCTC CATTGTCAGT TTTAAATTAA    110940

GCCAAGCTGG GTACTTGTGT AATTCCTCAA GAAATCCTGG ATGAAAACTG TCAGGTGGAA    111000

AACAGGACCT CAAAATAAAG AGACATCCAT CACTGAAGCT AACATCGTGA GGCTGAAATC    111060

AGTCCTATAA CAATGGTACC AAAAAGAGCA CAATGAGAGG CATTTGTGAA TATTTACTCA    111120

GATGAGAGTA AGATATTTCC CTATCAGCTA ACCTGAAGTT CACATCCCTT TTCCAGCTGA    111180

GTTCTGAAGC TAGATGTACT TAACTGGAAC ACATAACTGC ATCAGGAACA TCCTTTAAAA    111240

CTATGGCTAC CATGGCTTGA CTGGACAAAC CCCAGGCTTC CAGGTTTAGC ACAGGTGGCC    111300

CTTCACAGAC CAACATTGCC TATGCTACCA ACCTCATGTC CTACCACCCT GCTTGCATCA    111360

TTTCTCTCTC TGCATATATA AAAATATATG TGTATGTATA TAATCAGCTT TATTGATATT    111420

TAATGTACCA CAAAATTTGC CCACTTTAGG TACAGTTCAA TGAATTTTAC CGTGTTTTCT    111480

TAGTTGTACA ACCATCATCA CAATTTAATT TCGGAATATT TCTATCACCC AAATTTCCAT    111540

TTCTGCGTAA AGGGGGAAAA AAAAGGTTA ACTGCTGAAG GCCGCGGTAA CACTGAAAAA    111600

GGTGCCTTTT CTCTCTAAAA CAGATTTTAA TCTCCCCTGA ATTTAGTGTC CTGGGTATTC    111660

CAGGAGTCTG AATAGGGTTT CAATTTTCAG GGTCTTTTTA ATAGAGTAAA ACTGTATTGG    111720

TGGCGATAAA TTTAGTATTG CTCTCAGTAC ATGATTGAGG GATACTTAAA TGTCTCTGTG    111780

ATTTTATTTC ATAATCGCTA AAAGATGGTT TTTTTTTTTC CTAAAACAGG GTTTTTGTTT    111840

TTTCTCAATA AGCTTCTTAG CTTCCCCTCC GGCTCCCTGG CTTGCCTCAG GAAATATTAG    111900

CTCATCAGTT CTGATTGGTT GACAGCTACG AATGGCCCTC ATTGATTGGG CAGCGCTTCT    111960

TTGTCCCTTG GAAACTAATA CAAATTTTTA ACACTACTTT TTTTCCACTC TTTCTTCAGA    112020

GTTGGAATAT CGTTGCTCCC CTACCCATAT GTAGTGAGTG GAGGGCAAAC TTGGAGTTCC    112080

CCTAATCTTT CCTTTTTAGG ATGTCAGCTC AGTATCATTC ATCTTAATTA CACATTGAGC    112140

TTCTTGACTT AATGGATACA GCTCTTCTTT TGTTTAGTTG GGCGGCCCTG AAAAGGGCCT    112200

TTGGTTCAGA AATGCAAGCT GTGGAGAAAT CAGCAACCTT AACCGCCAAA GCCATAAAGG    112260

GTGCGTCCCT GGCGCTTAAG CGCGTAGACC ACGTCCATGG CAGTGACTGT CTTGCGCTTG    112320

GCGTGCTCCG TATAGGTGAC AGCGTCACGG ATCACGTTCT CCAAAAACAC CTTGAGCACC    112380

CCGCGAGTCT CCTCGTAGAT CAGACCAGAG ATCCGCTTCA CACCGCCACG CCGGGCCAGA    112440
```

CGCCGGATGG CCGGCTTGGT GATGCCCTGG ATGTTGTCAC GCAACACCTT GCGGTGGCGC 112500

TTGGCACCCC CCTTACCCAA ACCCTTCCCG CCCTTACCAC GTCCAGACAT GACTTCCCAA 112560

GAAGTGAACC AAGAGCAAGT GAGAGAATAG GAAACCGATC TTTATATATC TACGTTACCC 112620

CTGCCCCCAC CTCCAGCGGA CACTGAGACT GAAAAGCGCG CAGGCGGGAA ATGTGACGCC 112680

TACAGTCCGC TCCTTTAACC CCTCCTCCAA GCCCCAGGAA ATGGCGGGAG CAGCGATTGG 112740

GGGAGGGTGG GGAGATGAGG GTGGGACCAA GCAGGCTTGA CCAATGGCCT TTATTTTCTT 112800

AACAGAGCTA CAGGCTTTGA GGAACTGGGT TAAGAATTAA ATGTAAACCC ATTCTGACTC 112860

CAGAATTATT TTAAGTCGAA CTTTTTTTTT AACCGAATCT CTCTGTCGCC CAGACTGGAG 112920

TACATTAGAG CCATCTCGAT TCACTGAAAC CTCTGCCTCT CAGGTTCAAG TGTTCTCCT 112980

GCCTCAGCCT TCAGAGTGTA GCTGGGATTA CAAGCGCTCG CCGTCGCGCC CGGCGTGTTT 113040

TTGTATTTTT CGTAGAGACG GGATTCGGCC ATGTTGGCCA GGCTGATCCC GAACTCCTGA 113100

TTTCTGGTAA TCCGCCCGCC TCAGCCTCTC AAAGTGCTTG AATTACAGGC GTGAGTCACC 113160

GCGACCGGCC GAAATCGATT GGTTTTGAAG CCTTCAGTAG CATTAAAACG AAAAGTGCTC 113220

CCAATGCATT CCCTTTTGTC TTAAATTGGT TTCTTACAGC TACTTTACTT GAAAAGGTGG 113280

TGGCTCTGAA AAGAGCCTTT GCTTGGACCG TCAGAGAGAC CACAGTAATC ACGCCCTCTC 113340

TCCGCGGATG CGGCGGGCGA GCTGGATGTC CTTGGGCATG ATAGTGACGC GCTTGGCGTG 113400

GATGGCGCAC AGGTTAGTGT CCTCAAATAG CCCTACCAAG TAGGCCTCGC ACGCCTCCTG 113460

CAGAGCCATC ACAGCGGAGC TCTGGAAACG CAGGTCTGTT TTAAAGTCCT GCGCAATCTC 113520

GCGCACCAGG CGCTGGAAAG GTAGTTTACG AATAAGCAGT TCAGTGGACT TCTGATAACG 113580

GCGGATCTCG CGCAGAGCCA CGGTGCCCGG CCGGTAGCGG TGGGGCTTTT TCACGCCGCC 113640

GGTGGCCGGA GCGCTTTTGC GGGCTGCCTT AGTGGCCAAC TGTTTGCGTG GCGCCTTGCC 113700

ACCAGTAGAC TTCCGAGCAG TTTGCTTAGT GCGAGCCATG ACGGAAAAAC AGCACAGCGG 113760

AACACCCAAC ACTAGCGCAA ATACGCCCAT GAGCTGCTCT ATTTATAGTG TGTAAAGTGC 113820

AGTGATTGGA TGATAGAAGA CGCTAAATAT GACGTTACAC ACTCTGATTG GTCTATCTTT 113880

AAGCCAGCAA CAATCGTGCA GTTTCACCGG CTACTATATT CTATTCCAAC TCTACAGATG 113940

ATTATTTAAG TGGTATTTTA TTACTACTAT TATTTTATTT TACTTTTGCT TTGTTCCCCA 114000

AGCTGGTCTT AAACTTGGGC TCAAAGGATC TTCCCGCCTC AGCATCCAGA GTAGCTGGGA 114060

TTACAGGGGA GCCCCACTGC GCCGGCTTGG ACTTTAATTT TTTAAACTTG TCCTCTTCTA 114120

```
CATCTGGTTT TCATAACCTG AAGGCTGTGT TTATTTTCCA TAAAACAAGG CATTGATTCC    114180

AAAGGTATTA TAATTCCCCA ATTCCGTATA ACCTTCAGCT CTTTAGGAAA AAAAAAAAAA    114240

AAAAAAAAAA GAGGGAATAC TGCTCACCTC CTCTCCGGAA ATGTACCCTT TACGGGAATT    114300

TCTGAAACCT TTCACAAGAA TTGGATTCCT TTGTAATGCT TTAATTGACT TAGGAGTGTT    114360

ATTGAAATCT ACAAAGCATC TCAAACATAG TAGGATTACA CTATTACTCA GAAACATTTT    114420

CTATGAGACG TCTTTCTCTT GATTATGCTC TTTGAATCCT AAACTTGCAG CGTTCTGCAG    114480

CTTTTGTTTT CTAAAGCCTA GGTGTACTCT GCCAGTCACA AAATGGCGTT TCTCCAGCAC    114540

TGCCGCCAGG TACCACCAGC TGGGAGTTGT TCCTCTTGCG GAGCAGGAGG TGGACTTGGC    114600

CCAAGAGAAA CTGGATAGTG GTTCGCAAGG AACATAATTT AGCATTGCCA AGAGCTAATG    114660

CAATCATTTT GAAAATCTCA AAACACTGAA AAGTGGATTG TGACCTTTTT AAATTCACAA    114720

GAGACAGGCC ACATTCTATC TTTTGATTGG TTTAGGCTAT TTTCTTGAAC AGCCATTTAG    114780

AAAGCAGATC TATCATCCTT CATTTGCATG GAGCGTTCCC ATTTTATTTG AAACCAGTTT    114840

AACCCAATAG AAAAAAGGGA GGCAGAACCC ATTATTTAAA GTGGAAACTC CTGAATCAGA    114900

TAATTAGGAG TATTTCCTTT TCAAAAGTTG CGTTTTTTCA GATACCTCGC TTATTACACT    114960

AAGAAAGGTT TATATCTTTC ACAAAGGGTT TACTTACAAA AATCTTCCAA TTTTGTATAC    115020

CTGTGTTTCA TAACTGACTA GCCGTCAAAC CAAGATGTAG AGTTTCCAAC CGTTATTTTC    115080

CAAATTTTTA GAAATTACGT GAAATATTTG AATGCATGCC TTCTCAATAA AATGGGACGT    115140

AGGAAGCACT GGTGCAGAAG ATGGGTACAA TACTTATCTG GGACCACTCC ATTATTTGGT    115200

TGGCACGTTG TTTGAACAAA AAGGGGAAAA GCTCAGGTTA CTTAGCATGG TTCGGACTTA    115260

TTTGAAAACT ACCACAGCAG GAGCGGAAAT AAGACCGCAT TACCTCACTC TCTGCTGTGC    115320

TGTGCTAGGG GGTTATCCAG AATAGGATTG TAGAAGTGGA TGTCGATTTA ATAGTTTTTT    115380

ATTCTCCCAT TAGCTGAGTC TCTGATTGGC AATGTGAGAT CGTTTTAGCT TATTGATACT    115440

TTGAAATGCA CTTAACAGCC ACAAACAAGT TAAAGGGTTG TTACCATAAA ATCTTATCCC    115500

CAGGGTGTGC TTGCATTTAT CACCCGTGTT TGCTTTCACA CTAAGTGGAC TTAACTCCCC    115560

AGCAGAATGC CTGTCAGGGA ACCGGTTTCG TGGACCCAGC ATTTAACGCC TTTCGCAGGC    115620

TTGTGAGGCC CATAAATATT TGTTGAATAA AAGAATGAGT TGACCATGTC ATGGTGCGCT    115680

GATTGCGTGT GCTGACATGG AACACAGGTT GTAAACCTTA ATACCAATTT GGGGCATGTT    115740

GTATGGATGA AAAGGGCATT GGAAATTCCT GAAGTGCATC CCACATTGGA CTGTGGAAAT    115800
```

```
AAGTTGCAAG TGCAGAAACG TTTCCACACT TGCAGTTTGA GTATTAATTG CAGCGTTTGT 115860

GAATTCTGGT GTTGTCTACG ATTCATTCTT GTTTGACGTG AAAGGTATTC GCGAGACACA 115920

TCGCTCTAAA ACATTGCCAG AAAATGTAAT AGAGTTGATG ACAACTGGCC CTAACACGGC 115980

CTAAAACTCG CACTTTTCTC TCCCTCCGCA ACTATTCAAA ACACTGTATT TTACATTTCT 116040

TGCAAATTAA AAACTAACAT CTCTGGCAAC GGACCTCTAA AAATTTCTAA TAAAACTCCT 116100

CGGATGCTTG TGGCACTGCA TTTGTAAACC GCCCCTCTC AACCTACTCC CTAAAAAGA 116160

GCTGCTTTTT GAGAGAGAAG CGGTACCCTC TGATGTTACT GGGCGGCAGT CTGCCTACAA 116220

TTTCCTTCAC AATGAGGCAA CCAGAGCGGC TTTTTCTGTG TGTTTGCTTG CGTTGAGGGG 116280

AGCAGGACCA TAGGCCCTAG AGGCCCCCAG CTGCCTTCTG AGACTGGGCG AAACCCTCGG 116340

CAGCGCGCAG GGGGCGCTAG GGCGCGAGGG GCGGGCACTG ACGGGCACCA ATCACGGCGC 116400

AGTCCCACCC TATAAATAGG CTGCGTTGGG GCCTTTTTTT CGCATCCTGC TTCGTCAGGT 116460

TTATACCACT TTATTTGGTG TGCTGTGTTA GTCACCATGT CTGAAACAGT GCCTCCCGCC 116520

CCCGCCGCTT CTGCTGCTCC TGAGAAACCT TTAGCTGGCA AGAAGGCAAA GAAACCTGCT 116580

AAGGCTGCAG CAGCCTCCAA GAAAAAACCC GCTGGCCCTT CCGTGTCAGA GCTGATCGTG 116640

CAGGCTGCTT CCTCCTCTAA GGAGCGTGGT GGTGTGTCGT TGGCAGCTCT TAAAAAGGCG 116700

CTGGCGGCCG CAGGCTACGA CGTGGAGAAG AACAACAGCC GCATTAAGCT GGGCATTAAG 116760

AGCCTGGTAA GCAAGGGAAC GTTGGTGCAG ACAAAGGGTA CCGGAGCCTC GGGTTCCTTC 116820

AAGCTCAACA AGAAGGCGTC CTCCGTGGAA ACCAAGCCCG GCGCCTCAAA GGTGGCTACA 116880

AAAACTAAGG CAACGGGTGC ATCTAAAAAG CTCAAAAAGG CCACGGGGGC TAGCAAAAAG 116940

AGCGTCAAGA CTCCGAAAAA GGCTAAAAAG CCTGCGGCAA CAAGGAAATC CTCCAAGAAT 117000

CCAAAAAAAC CCAAAACTGT AAAGCCCAAG AAAGTAGCTA AAAGCCCTGC TAAAGCTAAG 117060

GCTGTAAAAC CCAAGGCGGC CAAGGCTAGG GTGACGAAGC CAAAGACTGC CAAACCCAAG 117120

AAAGCGGCAC CCAAGAAAAA GTAAATTCAG TTAGAAGTTT CTTCTAGTAA CCCAACGGCT 117180

CTTTTAAGAG CCACCTACGC ATTTCAGGAA AAGAGCTGTA GTACACAGAT GAAATCCCCC 117240

AAGCAAATGC AACACGCCCT CAATTATATT AGAATCACTT GGAGAGTCGA TAGAACTTTA 117300

ACATAGCCTC ATCTAGTAAG AATTTACTAC TCAATCTATC AAAGATAGCA AGGTGAATTC 117360

AAATGCACCG AGTTAAAATC GAGTTTTAAA GTCACCTGGG TTTCGGTAGC CGGAAGTCCC 117420

GCGTCTCACG ACTCCAAGCT AATTAGTCAT AACCGTATTG AACCAAGGTT GAAGCCCAGT 117480
```

```
CCCAGGCTTG AGGCTTTTTA TTATACAAGG TTAAAGTGGG GATATTGCGT TTTGGGGTCA    117540

ATATTGCTAA AGTAGCATTT TCCGAAATTG GGTGGTCCTA AGAAATGCTT CTGGGATAGT    117600

TGGCAAAATA TATGGCTTAA CCACGCCCTC TCCACAGGAG TGGCTAGCGA GCTGTCTGTC    117660

CTTGGGAAGG ACGGTGACCC TGCTGGCGTG GCTGGCGCCC ACGTTGGCGT CCTCTGAAAG    117720

CCCCGCCAGG TAGGCCTAGC TCGCTTGCTT TCTGCAGCGC CATCATGACA AAGCTTTGAA    117780

ACGCAAAATG CTTTCTTTGT GCAGCGCCTT ACCATGGGTG CACTTACGGG CTGTCGACTT    117840

GGTTTAGGCC CTTGTCAGGA CAAAGGAGCT TAGTTTGTTG GAGTTTTAGA GCTGCAACCC    117900

AAAATCCCTT GCTCGGTTTC TCTGTTTTTA GAAACGGAAG CGCCCTGATT GGATATTTGA    117960

AAATTACTGT GCTTAACTGG ATCGTGTTTC ATCAGTCGTG CAGGATTTTC AACCCTGGTG    118020

GAGCCCACAC ATTCAAAACT GAAGATCCTT TTCTCAGAAC TGCCCCTTTA AGCTTTTGCA    118080

ATTTTAATTC TGGGGGTCAG ATTTTAATAA TTGGACTTTT TTGTTTACAT CTGACAAGAG    118140

TATATGATGA GCCAAGTTTA CTCACTTTTA CTTAGTGCAG TTCAATTCTA AAAGTTTATT    118200

TTTGCGTGTG TGCATATGAG TTAATAATCA GTTGTATTTT TCAAACGGTC TTTTTTCAAT    118260

TGTTTTGCTT AGCTCCTTCC ATCGTCTAAA GTCAGGGATA CAGGCACATC ACATCCCTGT    118320

TCCCCCTTCC TCAAACTAAT ATGTAGCTAC CTAGGTTTAT CCTTTAAAAC AAAAATTCTC    118380

ACCTATTTTT GTGAGAAATA TACATGTTTT TCTTTGAACT AAGTATTTTA CATACACCTA    118440

TCTATATACA TGCATACTTG TGGTTTTGTT TTTTTAAAAA AAAAAAAAAA AAAACACGTT    118500

ATCTTTTGAG ACTGGGTCTC AGTCTGTTGC CCAGACTGGA CTGCAGTGGC ATAATCACAG    118560

CACACTGTAA CCTCCAACTC CTGGGCTCAG GCTATCCTGC AGCCTCAGCA TCCGGAGTAG    118620

CTGGGATTGC ATGCACGCAC CACCAAGCCG GGCTTTTTGT TTTTATTTTT TGTGGAGACA    118680

GTCACACCAT GTTGTCCAAG CTGGTCTAGA AATGGCCTCA AGTGATCATC GACCTCCCAA    118740

AGTGTTGGGA TTACGGTCAC TGTGCCTGGC CTTGTATGCA TAATTGTTTT GTCTTTTGAT    118800

TAGGGTTATT AATTTAAAAA ACAAAGCCTG GACGCAGTGG CTCACATCTG TAATCCCAGC    118860

ACTTTAGGAA GCCAGATGGG CAGATTACTT GAGCTCAGGA GTTCAAGACC AGCCTGGGCA    118920

ACATGGTGAA ATCCCATCTT GACAAAAAAT ACAAAAAATT AGCAAGGCCC AGTGGCACGC    118980

ACTTATAGTC CCAGCTACTT GGGAGGCTGG GGTGGGAAGA TGACTGGAAC CTGGGAGGTA    119040

GAGGCTGCAG TGAGCAGAGA TCGTGCCACT GCACTCAAGC CTAGGTGACA GAATGAGACC    119100

CAGTCTCAAA ACAAAAATAA TAAAAATTTT TTACAACGAT GTTATATACA CTTCTGCATG    119160
```

-109-

TTGCTTTTCT CTTAACCAAA CTTTTCTAAA ACCCTGTCAT GAAAAAGAA ATCCTTCACA 119220

TGGAATAGCA TAAGTTATTC ATCCATTTCT TATTGATAAG CATTGATGTT TCCAGTTACC 119280

ACTGCTGAAC ATGGTGCAAT TGAATAGAAT TCCAGGGCTG AGATTGCTAG GTTTTAGGTT 119340

GTATTTTATT ATTTTATTTA TTTATTTATT TATTTAGACA GAGTCTTACT CTGTCACCCA 119400

TGGTGGAGTA CAGTGCCATG ACCTCAGTTG CAACCTTTGC CTCCTGAGTT CAAGCGATTC 119460

TCATGCCTCT GGTCTCCCGA GTAGCTGGGA TTACAGGCAC CTGCCACCAG GCCTGGCTAA 119520

TTTTTGTATT TTTAGGAGAG ATGGGGTTTC ACCATGTTGG CCAGACTGGT CTCAAACTCC 119580

TGGCCTCAAG TGATCTGGCC ACCTCGGCCT CCCGAAGTGC TGGGATTACA GGTGTGAGCC 119640

ATGGCGCCAG ACCTGGACTT TGTCTTCTGT TTCATCAGTC CTTCTGTTGG TTCAAGCACA 119700

GTATCACACT GAAGACTGAT GATTCTATAT AAATATGGTA AAGACTGTAC ACCCTAACTG 119760

TTCTTATTTT TTAATTTTAA GGCAATTTTA GATTCCAGCT TTCCAAAGAA TTGTGGAATG 119820

CTTAGAGCTA GAGAAGCCTT GGAAGTCATT TAGTTTTTGT TTTGTCAGAG AAAATTCTGT 119880

AGAGACTCTG TCCTGCTCTC ACTGAATACC ATCCCATAGT ACCCCCCAAC AGCTTTAAAG 119940

GGCAATAATA CCTTATGGAC AGTATGCTTT TCCTCAAATA TATTCTAAGC CATGGTCAAT 120000

GCAAAGAGT GAGAAGGAAA GTAGAATAAG TTATCTAAGA ATCAGTGGGT GCTCTCTTTA 120060

AACTGATTTA TCACTCCCCC TTCCAAACTC TCTTGAAGGT CACTCTGCCT CCCTTTCTAC 120120

ATAAGAACTC CTAACTCCAA GGGAGGAAGG TAAGTTATTC TTATTCCTTG CTTAGAAAAA 120180

GAGAAAATAG GTTTGGTAAG CATCCGCTTT CTGCTACCAT TCTCTGTGTT TCTGTGTTTT 120240

TTATAGGATC ATTCAATTAT TGGTTGGCTC TTGAGAGGGA ATGCAAGGTT CAAGGACACA 120300

AGCCTAGATC TTGCCTGTAT AGAACCTCAT GATGTTATGC TTCTCTAAAA TGAGGCCTGG 120360

AGGAGACATG TTGAAAGTGA CCCATAAATC TGCAGTATCT CATGTCTCTC AATGGGGACA 120420

AGGAGTACCA TGGGAAATAG CATTAGGTCA ATGACAGTAA CAACTCCCAG GTGAGTTGAT 120480

TTATTCTTTT ATTTATAAAG TTGTTAATAT GCTACATAGT CCCTAATTTT GCCACAAATA 120540

GTCATTATTT TAATTTCATA TTTCACTATT GATAAATGAA GGAAAAAATG AGTAGCAGTT 120600

AAGCAGTCCA TAAACCTACA TATAAAGCAA ATTGGAGATT TTAAAATTGA TTCTGGATGC 120660

TTAAAATCCT TCTCATTGAA AAAAAATTTC GTATTAGAAG ATTTCAACAT TCTTTAAACT 120720

GAGAAGCATA ACATATAAAC AGAAAACCAC AGCAAACAA AAATGCAAAG CTCAATAAAT 120780

GAACACAAAG TGAACACCAT AATAATTGCC ACACAAGTAA AAAAACAGAA AATCAGCCAA 120840

CCCTCCCAGA GCCGCCTGAT GCTTGCTTCC AGTCACATTA TCACTCCATC TGCCCTAAAC 120900

ATAACCCCTA TTTTGATTTC CAATGCTGTA ATTTAGTATG CCTGTTTTTG AAACATATAA 120960

AATGGAAATA AAACAAATGT AATCCTATGT ACCTGACATA TTTCACTCCA GAACATTAGG 121020

TTTGAATAGA TTCATCTGTG TTGCTGTGTA TAACTTTAAT TCATTTTTAT TGTTATGTAA 121080

TATTCCATGT TATGAGTGCA ACAATTTAGG TGTCTACTGT TGATGCATAT TTGCTTCCCT 121140

TTTTCAGCTA ATATAAACAA TACCGTGAAT ATTCCTGTGT ATGTGTCTTG GTATATATAG 121200

GAATACATAT TTTGTTTGTA TACCTAGGAG AGGAATTGTT GGGTCAAATG CTAAACTCTT 121260

TTTGAAAGTG GTGATATTAG GTTTACATGC GATGAAATGA AAATTAAAAC CACAGTTATA 121320

AACAGCATGG ATGAACCTCA CAAACCTAAT GTTGATGGAA TCTAGCTGGG AATTCCTGTT 121380

CTTCCATATA CTTCCCAATA TTTTTTTCCA ATTAAAATTG TTAATCTTTT GAAGATGTTA 121440

TCCATTGTGG CAGATGTGCA GTATTATCTC ATTATGGTTT TATTTTACAT CTTTTGCCCA 121500

TTTTTTCTTA ATTGGATTGT ATATCAGTCG ACTTGGGCTG CCATAACAAA AATACTAGAC 121560

TAGGTAGCTT GAACAAAAGG AGTTTATTAC CTCACAGTTC TAAAGGCCAG GCCAGAAATC 121620

CTAAATTGAG GTGCCAAGAG ATTCAGTTTC TAGTGAGGGC TCTCTTATTG ACCTGAAGAT 121680

AGTTGCTGTC TTAGATTGTT TGGTGCTGAA CAGAATACCA GAGACCAAAT AATTTATAAA 121740

GAATACAGAT TTATTTCTTA CAATTCTGGT GGCTATAAAG CCTATGGTCG AGGGGCCCAC 121800

CTCTGGCAAG GGCCTTCTTA CTGTTATGGC AGATGTGAGA TGTCATCTCA TATTCAAACC 121860

ACAGCAGTCG CCTTTTGTGT CCTCATGTGG CCTCTTCATA TGCCCATAAA ATGACCTCAT 121920

GTCTCTTCCT TTTCTTATAA GGACACCAGA TCTATCAGAC TACTGGCCTA CTCTTATGAC 121980

CTCATTTAAC CTTAAATATC TCCATAAAGT CCCAAAATCC CTATCTCCAA ATATAGGCAC 122040

ATTGGGTGTT AGAGTTTCAA CATCAATTTT GGGGGAACAC AATTTAGGCC AAAAAGATTG 122100

TGTTTTTTCT TGTTGGTTTA AGATAGCTGT CTTTTTGTCC TTTTTGTCCT TTCTTTTTTT 122160

TTGAGGTGGA CTCTTGCTGT GTCACCCGGG TTGGAGTGCA GTGGCGCTGT CTCAGCTCAC 122220

TGCAACCTCC ACCTCCTGGG TTCAAGAAAT TCTCCTCCTC CCAAGTAGCT GGGACTACAG 122280

GTGCATACCA CCGCGCCCTG CTAATTTTTG TATTTTTGAT AGAGACGGGG TTTCACCATG 122340

TTGGCCAGGC TGGTCTCAAA CTCCTGACCT CAGGTGATCC ACCTGCCTCG GCCTCCCAAA 122400

ATGCTGAGAT TACAGGTGTG AGCCACCAAA CCTGGCCTGT CTTTTCTGTT TTAAGTTTTT 122460

AAATTTTGCT CACGAACCCT TTATCCATTT TATGTGTTGC AGGTATTTCC TCTGTAACTT 122520

```
GTCTTCACTC TGTCAGAGGC TGGAGTGCAG TGGCACAATC ACAGCTCACT GCAGCCTCCA    122580

CCTCCCAGGA TCAAGCGATC CTCCCATCTT ATCCTCCTTA GTAGGTGGGA CTACATGTGC    122640

AGGCCACCAT GCCCAGCTAA TCTTTGTATT TTTTTGTAGA GATGGTGCTG TTGCCCAAGT    122700

TGGTCTCAAA CTCCTGAGCT CAAGCAATCC ATCAACCTTG GCCTCCCAAA GTGTTGGGAC    122760

TAGAGGTGTG AGCCACCACT GCACCCAGCC AATGATATCT CATGATGCAT TAAAGTCATT    122820

AATTTAGTGT ACTCAAATTA AGCACACTGC CCTTTTATGC ACAACCTTTT TTGTATCTTA    122880

TTTAAAAAAT CATTTTCTAT TTCAAGGTCA TGAAGATCTT ATTTTATAAT ACCTTCTTGT    122940

GAAATTAGTT CTCAAGACTA CCCTCACTTC TAACACCAAT TATAAGTTGG GAGGTCTGTG    123000

GTTCCCAATC AACCTTAGGT TAGTAATTTG CTAAAAGGAC TCACAGAACT TGCTGAAGCT    123060

GTTAGCCTCA TGGTTACAAT TTATTATAGG ATATATAGCT TATTATGTCA TTCCAATGCA    123120

ATGTAAAATT ATACAACTAC TTTTAAAAAG ATTTTAGCAT TTGACCCAAC AATTTCACTC    123180

TGAGGTATAC AAACAGCAGA TATGTGTGCA CATATATACC AAGACACATA CACAGCAAAA    123240

TTCATTGTTT GTAATAGTTG AAAAGGGGAA ACAACTCAAG GAATAAAGAT TAAAATCAGC    123300

TGAGAAAAGA AACACACAAG GCAGTATTAT GGATCGAATT GTATGCAGAT CTCCCTTGCC    123360

CCCAGAAGAT ATGTTTAAAG TCCCAACTCC CAGTACCTCA GAATTGTGGC CTTATTTGGA    123420

AATAGGATAG TTGCAGATAT AATTAGTTAA GATGAGGTTA TAGTACAGTA TGATGGGCTG    123480

GTGACTTAGA AGAAGTAGTA TATATATATT TTTTAATAGA ACTAGTATTC TTCTAAGGTG    123540

GTCACGTGAA GACAGACACA CACAGGCAGA GACTGAGGTT ATGCAGCTGC AGGTCAAGGA    123600

ATGTCAAAGG TTGCCAGCAA GTACGAGAAG CTAGGAAGAG TCAAGGAAGG ATTTTCCTAC    123660

AGGCTTCAGT GGAAGCATAG ATCTAATGAT ACCTTCATGT CAGATTCTA GCTTCCAGAA    123720

CTACAAGAGA ATATATTTGT TGTTTTAAGC CACCCTAGCT TCTAGCTCTT TGTTACAGCA    123780

GCCCTAGGAA ACTAATATAG GCACAATCCA GGCAAGTTCC AAATATGAGC TTCCAGTTGT    123840

CCTCTCCCAG TAATATGAAC AGTATTACTT TCCCAGCATT AATGTGTGAC AATACACATG    123900

ACGTACAGAG CAGTCCCCAC TTATGCACAA AACATATGTT CCAGGACCTC CAGTGGATGT    123960

CTGAAACCAT GGATAGTACT GAACTCTATA TAGCTGTTTT TTCCTATACA GACACAGCTA    124020

TGATAAGGCT TAATTTATAA ATTAGGCACA GTAAGAGATT AATAACAATA AATTAGAATA    124080

ATTGTTAAGA ATATACTGTA TAAAAGTTAG GTGAATGTTT ATTTCTGAAA TTTACCGTTT    124140

ATTATTTTTG GACTGCAGTA GACCACAGGA ACTAAAACCA TGTAGAAACC GTATACAAGA    124200
```

-112-

GAACTGTATT TCACCCGAGC CTCAGTGTGC AGTTTTAATG GCCTGCCATG GTTGACTGCT 124260

CACATGGCCG ATCTTTTAGT CTACCTCCAC AGGTAGAGCT GATACTGTGT GGCTCAAAGT 124320

TCCTATTATA AATCACATTG TTGACTGTGT GGTGGTCAAA ACCTCCAGGT AAACAAAGAC 124380

ACACTTATCA GTGAGAACAT TTCAAGGGTC TAAAATTCAT CTCCCAGTAG CTGAGGGCAA 124440

AGGCTAGACC TCTTTTTGGG TAAGATAAAT TTTTTACCAT ATACTTTATT TTGCTTTTCA 124500

TGTTTAACTT TATTTTGCTT TTCATGTTAG TTCCCCTGGA ATTGTTTTTT GTGTATAGTG 124560

TGAAGTAGGG GGTCAAGTTT CTTTTTTTTT CCTTTTTGTT CTTTTTCTGT TTAAAAGGCT 124620

ATACAATTGT CCCATGCCAT TTATTTACAA GAGTCCTTTC ACCATTGTTG TATGGTGCCA 124680

CTTTAGATGT AAATCAATGT CCATATTTGT TTGAGCCTGT TCCATTCGTT TGTCTATTTT 124740

TGGACAACAC TGCCCTGATT ATTGTCATTT TATCAGTTTT GATATTTAAT AAAGCAACAG 124800

ATTTGTTTAT TTTGGGCCCT TGGATTTGTG TATTAAATTT GAACCCTGTT TGTCAATTTC 124860

TATAATAAAG CTTATTGGGA ATCTGATTAG GATTACAATG GTTTTGTAGA TCAGTTTGGG 124920

GACAATTAAT ACCTTTAAAA TATTGACCGC TTCAACTGTA AATATACTCC TCCATTATTT 124980

AGTTTTCCTG TTTAATTTAT CTGAGTAATA CATTATAGTT TTCTTCGTAG AAGTCAGATA 125040

CGTAGAAAAT TCAAAGCCCA AGTGCAATAG CTCATGTCTG TAATACCAGC ACTTTGGGAG 125100

GCCGATGTGG GTGGATCACC TGAGGTCAGG AGTTTGAGAC CAGACTGGCC AACATGGTGA 125160

AACCTCATCT CTAGTAAAAA TACAAAAATT AGCTGGGTGT GGTGGCGGGC ACCTGTAATC 125220

CCAGCTAATC AGGAGACTGA GGCAGGAGAA TCGCTTGAAC CCAGGAGGCA GAGGTTGCAG 125280

TGAGCCAAGT TCCTGTCACT GCACCCCACC CTGGGCGACA GAGCGAGACT TCGTCTCAAA 125340

AAAACAAAAA AAAGAACATT CAAATAATCA ATGTAGATAA TTCAAATAAC TAAAAAATGA 125400

ACAGTTATTA AAATATCAGG ATATAAAGC AAAAAAATCA ATAACCTCCA TATATACAAA 125460

ATGGCCAGTT AGAGAAAAAA AAAAGAATAG GCGAGACTTA AAAAGGCTGG GAATCTCCCT 125520

GAAAATCTTT GAGAGCCTTG GCCCTGCCCT CAGGGATTTC TCTGGCTTCA TGCCCAGATA 125580

CGGGTACAGT TCCTTGTTTA AAAAAATTTT GCTCCATCAA TCAACAAGGG GCTCCTTCCT 125640

CAGAGCACAA GGACCTCCAT AACACCGGAC ACTAGATGTC TAAGGGACAC CTCTTAAGGA 125700

AGTTAGACTT CCAAAGAATG GTGTTTCCTC TGTCCCCAAA CTCTGGAACT CACAGCACAA 125760

CTGCTCCTTG GAGTTCGGTT TCAAATCTAC AAGGCTGTCA TGGAGGTTGC AGACCAAGTC 125820

CGTGGCCTCA GTGTCCGGAT GTACGGTGGC CTTGGCACCT GAATGTGAGA ACATGACCTC 125880

-113-

```
CCTGAAACCA CCACAAGTAT TGTTTCATGT TATGTATGTT TTTTCTTATC TGAAATTCCT   125940

TTTCTTTAAA AATTCAAATT ACATATTTTG CAAGCCCCTG AACAAGCTTC ATGAGCATTT   126000

ATTGAACCCA CAGCTTTTAA AACCTACTGA ACACTTTGCT CTATGTTGTC ATTCACTATC   126060

CACCAATTAT TTAATTATTG ATCAATATTG TTTCCTTAGT GTTGGGATCA TTTATGCATG   126120

TATTTCTTTT ATATTGCATA TTTTATATTT CTGCATTACA GTTATTACAT ATTACTTTTG   126180

CTACAGTAAT AGTTCAAAAG TGTACATCCA AAATTTAGCT GTGAAGTGGA TGGACTGAGG   126240

CAGAACTGGA GGCAAGAAAA TGTCACAGTA ATTCTAAAAA AGATGATGTA CAATTAGAGC   126300

AAGAGAGTAG CACTGAAATT GAAGAAAAT AGATGCGTTT GAGAGAAAAT TAGGAGGTAG   126360

AATCAACAGA TTAGATGTAG GGATGAGAAG GGTCAAAGAT GACACTAGGG TTTTTAACTG   126420

GAGCAAGTAG GTAGACAGAA CATTTCTTCC TGAAAGGGCA GGTCAGATCA TGTGTTGTCT   126480

CAAAGGGCAT GAAGAGTAGA AAGCCTGGGA CAGATCCTGA GATGACCAAT ACCCATGGTG   126540

CAGGGAGAGG GAGGGAGATC TGCTAAAAAG ACTGCAAATG TCAGGATAGT AGAAAATCAT   126600

GAGTGTGTGA TGTCCTGGAA GTTGAGACAG TATCACATTT GAGAACATTT AAATTGGTAA   126660

CTCTGACAAA AAGCTGGAGG CCAACTGTGA ATGCCCATGA GAGTGAGAAG CTCCCACACT   126720

TTTGTGGGCA TCAGAAAGCC CACCAGGTTC CTGCAGTGAA GATCTGAGAA GGATCCTCTT   126780

GTGGCTTTGG CAGGGAGAGA AGAATTATTA TGAAATACAC CCCAGAACCT TCTTCAAAAC   126840

AAAGGCCTAC TCTCAAGGGG AAAACATTTT GCCAGAGTCT TATCCCAGCT GGGAGAAGGT   126900

AATTCTTCCC ACTGCAGCCT CATCTAGGCT TTCTGTCTCA CTTAAGGGAA GAAAATTAGT   126960

CAACAGGGAT CAGAGCTTCA TGAAAATAAA TTGGAAATGG TGCAGCCAGG AAAGGAGCAA   127020

AGGTCTGAGG AGGAGGAGAA GGAGGAAGAG GAGTTGTATC ATTATAAATA CTTGAGGAAG   127080

AGGAGGAGAA GGAGGAGGAG GAGGAGTTGT ATCATTATAA ACACTTGAGG AAGAGGAGGA   127140

GGAGAAGGAG GAGGAGGAGT TGTATCATTA TAAACACTTG AGGAAGAGGA GGAGGAGAAG   127200

GAGGAGGAGG AGGAGTTGTA TCATTATAAA CACTTGTGAC GGTCCCAGCC CCAAGATATA   127260

GGCATGCTAA TAAACTGAGG CTTAACACTT TGACTACAGA ATGCTGCTTC TCCCTAACAC   127320

CATCAAGGCT CCAACTGAAT AACAATGAAT TATGAATGAA AGAGCTGTAA GGAGAGACAA   127380

AAGTTAGAAT GAGACAAGTA TTGTTATCTA GAGATGCCAA GAAGGCAAGG AAGATAACTA   127440

AAAAGGCACT CTGGATTTAG AAATAGGAAG TCATTAGTGA CCTTGTAAAT AATGGAGCCA   127500

GAGGAATACC AAGGGCAGAA GCCTCACTAT AGTGTGTTGC ACCTGTCAGA GGTCAGGAGG   127560
```

```
TGTAACTGAC TCTCCCACAG TGTGGCTTTG GAAGAGAGAA GTCAGCAGCT GCATGGAGAT  127620

TTGGGAGAGG GAAAGCTTTT TTTTTTTTTT TTTAATTGGA AAAGACTGAG CTATGTGTAA  127680

ATAGAATAAG ACAGGAAGAG TGTAGACACA GGAAAGAGGG CAGACAAAAA CAAGTGCACA  127740

GTTATCTAAG GGAAACAATG GGATCAAGCT GCAAGTATAT AAACTTGTCT TGATAGAAGA  127800

ATCCTTGATC TGGTTTATTC AGTGTTTGGT CCAAACCCAC ATCCCTGTTC TGCCTGTCTC  127860

TGACTTGCTC TGTGCCCCAG AAGCCCAGCT TCTACAGATA GCATTAGCTG GGCAGCCCTG  127920

CCCTCTTGCA ACAGCTGGAT TTGGCCAGTG ATCAGCCCAG CAGGAATGTA GATGGCAAAG  127980

GAGAGAGAGG TTAGTGTACT TATTCCCTGC ATCACCCCCC TGCTTGGTGG GCAGCTCTTC  128040

CTCCACAGTC CCAGCTCTGG CCTAGCTCTG GTTACAGGTT CCCTCCCATT GCCTCTTCAG  128100

ATTTAAAGGT GTGTCTGTCA GGGTATAACT GGGAGCTAGA AATTGCACTG AAATTGAACA  128160

AAGAATTTTA TGGGAATGGT TGTTAACTAG TTATAAGAGG ACTGAAAATG GAAAGTGGA   128220

CAAACGTATC AGAGATAGTA ATGACAGAAA GCAACTACCA CCTCCAGGTT TAGGAGAACA  128280

AGGAAAAGAT TCTTTGAAGA GATCCCCAGA ACTGGGACCT CTGAGGAGTG TATGCTGGAC  128340

CACTGATGAT GATATGTCTG TAGATAGAGG CATGATGAGG CTGATTTTAG GAGCATGGAA  128400

GATCTCCAAA CTGAAGCCAA CTGCTGTTAC TGGATTCAAC TGCCACTGCC AGGTTGAAGA  128460

ACCCATTCTG TGAGGATGTC AACAAACAAA GTGGGAAATC TTTTCACATC CTTCCAGCCC  128520

TCTAGTCTTC CTCCAGTGCT TTCTATTGGT AGGGTTTGGG GAGGTGGCTA GCAAAGCGGT  128580

ATTGGAAAAG ATAGAAGAGA CTAAATCTTC ATAACCAGCA CAGGGTGACA CTGGATCACT  128640

ACTGTTGCTG ATCTTGGGCT GCCTCATATC CCCTGTTCTT CCCATTAGCC CTGTCACAAC  128700

TTTGTAGATA TCCCTTCATT ATATGCCCTT CATATATTCT TTTGGTTTAA CTTTTTCTGT  128760

TGGAATCCTA ATATGGCACT CCTCCATTTT TCAGGACCAA AAGAGTATAA AAGATTATCT  128820

TTTACCAAAA AAAAGACAAA AAACTGATCT AATTCCTGAT TTGATCATTA CACAATCTAT  128880

ACATGTATCA AAATATCACA TAGTACCCCA TAAATATATA CAACTGTGTC CATTAAAAAT  128940

AAAAATTAAA GAAAAGATGG TAAATATAGC TCTGTCAGGC AGTGGAGGTT TTACCACGAT  129000

GGCTGTTATT TCCCCCATGA AGGGGGGAGT GAGGGAGCAG CTGAAAGTAG GTGCTTATAG  129060

GGGTATAGAG GGGCTCAAAG CTTTGAGAGA GGAGAATGTC TGAAAGAGCT GCCAAATAGC  129120

ATGCAGGTCC CATGGGGGCA GAGCCTCTGC TCATTCACCA GTGCCTCTTC AATATCTACA  129180

CTTAAGCCTA ACACAAAGTG TGTGCTTAAT AAGTATTTGC TGAGTATGTA AAGTGGAAAC  129240
```

```
AGAACCAATC TGGCAAACTT TGTAGGACTG GTGGGCAATG AAGATCAGTC AGGTAAAATC    129300

TGTGGATATA AATTTATATT GATCAAAAAA TTCAAGGTTA GGTGTTTTTC TTCAGTCATG    129360

CTCAACGATG CTTCAGCCAT GCTCAACTCT TCTGTAGCCA CAGAAAAAAG TTTACCCATA    129420

ATCGAGCTGT GTCTGTGTCT GAATAATGAA AAGACCATGA TGCAAGGGAG TTGGAGACAC    129480

AGAAACAGTG TTTGAAGTAA TGGGTAATGG AAGCATGCTA CCAGGGAAAG GAAAGAAGTG    129540

GCAATAGGAA GGAACAGAGA TCTGTGGTCC TATGTCCCCT GAGCATATTC ACATGTTAAA    129600

GCTAATTCAG TTTTCAATCA TCATTAAAAT TTTGTTCCTA AATATATGGC CATTATTTTC    129660

CACAACCACA CTAAAACTTT ATTACCTCTG GCAAGTGACT ATGCAAGTAA CTAAGAGCAA    129720

AAATATCCAC AACTACCATT TGAGCTATCA ATTTAGGGAA AGTCATCTGG CTATAATCTA    129780

AGTGACCCTC CACTGAATGT CAGTATCTTT GCATATGTGA TTTAAATCTG GCCTTCGCA    129840

ACACCATGAA CTGTTCTTGT CTTGAATATC CAGATTGAAG GAAATAATCT GAGTAGTTAC    129900

GAGTCCTGAA GCTAGAAAGA TGGAAACCCC ATTTGCTCAT CAGAAAGCCT TAGAGCTTGG    129960

GCGCTGGCGG GTCCTGTCTC ACCGGGACAG AGGGGCTCTT TCCTCCCCAT CTGATAGTCT    130020

GATAACTAGA GAAGCCGGCC AACTTATTCT CCAAGAAGGA GCCATCTTAG TTCCTCCTGA    130080

AATGTTCATA TTTAGAAATT ATTGTTTGTC AGTAATTTAA CCCCTTAATG GGCTTGCCTT    130140

GTGGTCCATA CCACTGAGTG CAGAGCTTGC CTGGAAGAAT TGTGAGGGCC ATTCCATCTT    130200

CCAGGCAGTA GAGTTCAGTA CTTCTTTAAA ATTGCTGCTG AACTCTGTAT TTGAAAAGAA    130260

AGAATCATTT GGGTGTGGTA GCTCACACCT GTAATCCTAG CGCTTTGGGA GGCTGAGGTG    130320

GGAGGATCAT TTGATGCCAG GAGGACCACT TGAGACCACC CTGGGTAACA TAGCAAGACC    130380
CTGTCTTTAG AAAAAAAAAA TACAATAAAA TAAATACAAT AAAAATAAAA GCAAAAGAA    130440

AGAGTCCATC TTAGGGACAG ACTGTAACTA CTCACTGGAG CTTACCTTTA CATAGTTCAG    130500

GATCAATTAT AATAAAACAC TTTTGTGCAG ATTCAATAGG ATTATTTTAA TCCCCATCAT    130560

CTCTCTGAGT TTCCAGTCAG TTTCTCTGCA TGTAGACACC CTTCTCCAGC CCACCATTGT    130620

CTCTCCTCCT ATAGCTCCAC CAACAAATCA GAACTTTTTC TAACTGCACC TAGTGCACCT    130680

AGAGTCTACT CCAGAATGCT CATGGAGAAA GTTTCTGAAA GGTAAAACTC TGAATGATAT    130740

TTGTAGCTAA AGGGAGACTT GCTAGAGACA ATAAGCTAAT AGTTGTAGAC TTCAGTAGAA    130800

GAGGAATGAC ACTGCAATGT CAGGGTGCAG GACTTCAAGA GGGCAGAGTA TGGAAACCCA    130860

ATGGGAAAAA TGCTCACCAG GAACATGAAG AGAAGGAATT ACGTGTAAGG ATTTCTCAAT    130920

GTGTTCCCAA ATTTGCCCAG CAGAGGGAGG CCTCGGGTTG ATGGCAGGCT GACCACACAA    130980
```

```
TTAAAGAAGG CTGAACCTGG GGGCTTTTAA CAACCATCGT GGGCTCTACT GTAAGCATTT    131040

AGAAAAAGAA AGTTATCCAT TCAAAAATAT ATATATTTTT AAACTTCAGA ACAAAATTAT    131100

GAAGAGCTAT ATTTACTTTT CTACATTCTA ATTTTTATAA ATCTGAGTAT ATTTTGCATA    131160

TATTGTTATA GTACATATTC AATTTTGTAT TTTGCTGTTT TCACTTAACC ATTTTTACTA    131220

GATTACTCTG TGTTCATAAT AATCACTTTT TTAAAACTTT TATTTTTATT TATTTATTTT    131280

TTTTTTGAGT CAGAGTCACA CTCTGTCGCC CAGGCTGGAG TGCAGTGGCG TGATCTTGGC    131340

TTACTGCAAC TTCCACCTCC TGGATTCAAG CAGTTCTCCT GCCTTAGCCT CCTGAGCAGC    131400

TGGGATTACA GGTGTGCACC ACCAAGCCCG GCTAATTTTT GTATTTTTAG TAAAGACGGG    131460

GTTTCACCAT GTTGGTCAGG CTGGTCTCCA ACTCCTGACC TCATGATCTG CCCACCTTGG    131520

CCTCCCAAAG TGCTGGGATA ATCACTTTTT ATGCTGCATA ATTCTTCAGA TTTGTCAGTA    131580

CGACTGTATT TACACTCATT TGTTTTATTA GAAAGAATTC CAGAATATTT TGGCTGCCCT    131640

AATTAATTTT ACAATTAATA TGATTTTGAA ATTGGGTATT GGCTCCTTCT GAATTGGTTT    131700

ATTAAAATAT ATTCTAATGT AATTTATGAC ATTTTCATCA TATTAGCATA TTTATTCTGT    131760

TAGAATTTCA TAATTTATAA AGCTACAAAC TGTATGTGAT ATAGCTTGTA ACTTTATCTC    131820

ATAACTTTAT GCAGTTACAA GTAGAAATAA AATGTTCCCC TCAAGATTGC TTAAAATTTT    131880

ATTATAAACA AGTGTAAAAA ACAAAATCAC TAAAACACTC CCTCTTTTTT CCCCCAAAAT    131940

GCATGTTTCC ATTTTAACAG AACCCGTATT TAATCAGCAG ATTTCTATGG TGGCTAGATT    132000

TGTAGACTAA ATATTAAAAG TCCCAAAGCA AATGCATTTT TCTCTTAAAT TTTACTGACT    132060

TTTTTTTTTT TTCTTTTTCT GAGACGGAGT CTTGCTCTGT CGCCCAGGCT GGAATGCAGT    132120

GGCACAATCT CGGCTCACTG CAACCTCCGC CTCCCGGATT CACGCCATTC TCCTGCCTCA    132180

ACCTCCCGAG TAGCTGGGAC CACAGGCGCC CGCCACCACG CCCAGCTAAT TTTTTGTATT    132240

TTTAGTAGAG ACAGGGTTTC ACCGTGTTAG CCGGGATGGT CTCGATCTCC TGACCTCATG    132300

ATCTGCCCAC CTCAGCCTCC CAAAGTGCTA GGATCACAGG CATGAGCCAC CGCGCCCGC    132360

CTACTGACTT TTATCCAAAG AAAATATAAG AGCTCTTCAT CATAACGTAT GTTTCTTGCT    132420

CTTGTTATTA AATATGACAC ATTTAGACTT AAACTGATTT GAAGGTTTAT GACATTGTTT    132480

AAGTTATTAC ATAATTAATT CATAAAGATA ATGACTAGTT TGAACTACTG ACAGCTCACA    132540

CATCATCAGT TGAACAGCAG AAAGCTTACT AAGCTACTTT CTTATGTTTC TGTCTCCCAG    132600

CTACTAAAAG AAACGAAACC CTTCCAGGTG TTAAGGCAAA ACTTTCCTCC CCCTTTCTTC    132660
```

```
TATAAATCTG ATTCCATGTT AGTGAAATTT CTACTGATGG CTTTGGTTTC CTCTATAGTA   132720

GAATAGAGAT CCTATGGCAA AAGTCATGTC TGACATGGTA GCAAATAGAA ATGGGGAAAA   132780

GGAAGGTCTG CAAGAGCCAA TGTGGGAAAT GGGGAGAGGA CTGACTACAA AAACCCAGCA   132840

GGAATTCCAG AAGAAAACTC CTCAGGACGG GCACATTGGC TCATGCCTGT AATCCCAGTA   132900

CTTTGGGAGG CCGAGGTGGG CAGATCACTT GAGTCCAGGA GTTTGAGACC AGCCTGGTCA   132960

ACATGGCGAA ACCTCATCTC TACAAAAAAT AAAAAAATTT GTCAGGCGTG GTGGCATGCA   133020

CCTGTAGTCC CAGCTACTCA AGAGACTTAA GTGGGAGAAT CACTCGAGCC TTGGAGGTGG   133080

AGGTTGGTGA GCCGAGATCA CGCCACTGCA TTCCAGCCTG GGCGACAAAG TGAGACGCCA   133140

TCTCAATCAA TCAGTCTCCT CGAAAAGCAA CATTATGGAG AGACAGGATT CCGTCAAGGC   133200

CTGGGGCACA CAGGAAAATA TTAAGGCAGA AGAGAGTTTC CTCCCCACAC CACACCGTAT   133260

CCCACAGGCA CTGCGGATGT GCATATGCAA GAGGGGTTGA TCCTAAGAAT TTAGAGTCAC   133320

AGAGGAGGAG GCACCAAGCA GACTGTGGAG AAAGTCATGA CCAGAAAGGG ACAGAATGTA   133380

AAGCTTCAGC TGATTATCTG GCCTCAGGGA TTCCAGAGGA ACTGGTCCCA ATGGTCTCCT   133440

GGTGATGTAG GTTCTTAGGT TTCTTTTACA GGGGTTTTCT GGGAGATCGT TGACCCAGTT   133500

AGCATTCAAG CAACTTCCAC CCTGCACTTT TATTCTTTCC CCTTCACCTG CTTAGGTTTT   133560

ATCTGTCCAG GAAATAATAA TAAAATTATT GAGCCCTGGA CATGTACCTG TAAAGCTCCT   133620

TAAAGATGAT GCCTTCTAAC TCCTCATTCA ACAGATACAA AAACATTACA ATAAAATGAC   133680

TCATGCAAGA CACCCAGGTA GTTTATAGCA GCTAATAAAA ACAGAATAAC TATAAAATAT   133740

GGTAAGTTTA TAAAAGTTAC ATTGAGTATA CTTTATAAGA ACTGCTTATT GAGTTTGCCT   133800

AATAACCACA CAGCACAATA ATAATATGTA TATATTTTTA AATATGTGTA AATATGTGTA   133860

ACACAAACTT GTAGAAGGTA TATCTGAGTA CAACCCTATT CTGTTTGGTT ACCTTTTCTA   133920

GTTCATTATG TAAGTGGCAT AGCTACCTAA GGACTTATGC TTATAAATGT TACTCAAAAA   133980

AATACAGAGG ACATATGTGG ATAGATAATG GAAGAGATAA GATAGGTAGG TTGAAGGGTT   134040

GGGCTGCCCC TCCACACCTG TGGTTGTTTC TCGTTAGGTG GAATGAGAGA CTTGGAAAAG   134100

AAAGAGACAC AGAGACAAAG TATAGAGAAA GAAAAAAAGG GGTCCAGGGG ACCGGTGTTC   134160

AGCATACGGA GGATCCCACC GGCCTCTGAG TTCCCTTAGT ATTTATTGAT CATTATTGGG   134220

TGTTTCTCGG AGAGGGGGAT GTGGCAGGGT CAAAGGATAA TAGTGGAGAG AAGGTCAGCA   134280

GGTAAACACG TGAACAAAGG TCTCTGCATC ATAAACAAGG TAAAGAATTA AGTGCTGTGC   134340
```

TTTAGATATG CATACACATA AACATCTCAA TGACTTGAAG AGCAGTATTG CTGCCAGCAT 134400

GTCCCACCTC CAGCCCTAAG GCAGTTTTCC CCTATCTCAG TAGATGGAAT ATACAATCGG 134460

GTTTTACACT GAGACATTCC ATTGCCCAGG GACGAGCAGG AGACAGATGC CTTCCTCTTG 134520

TCTCAACTGC AAAGAGGCGT TCCTTCCTCT TTTACTAATC CTCCTCAGCA CAGACCCTTT 134580

ACGGGTGTCG GGCTGGGGGA CGGTCAGGTC TTTCCCTTCC CACGAGGCCA CATTTCAGAC 134640

TATCACATGG GGAGAAACCT TGGACAATAC CTGGCTTTCC TAGGCAGAGG TCCCTGTGGC 134700

CTTCCTCAGT GTTTTGTGTC CCTGAGTACT TGAGATTAGG GAGTGGAGAT GACTCTTAAC 134760

GAGCATGCTG CCTTCAAGCA TTTCTTTAAC AAAGCACATC TTGCACAGCC CTTAATCCAT 134820

TTAACCCTGA GTTGACACAG CATATGTCTC AGGGAGCACA GGGTTGGGGC TAGGGTTAGA 134880

TTAACAGCAT CTCAAGGCAG AAGAATTTTT CTTAGTACAG AACAAAATGG AGTCTCCTAT 134940

GTCTACTTCT TTCTACACAG ACACAGTAAC AATGTGATCT CTCTCTCTTT TCCCCACAGG 135000

AGGTGATGGC CGGAAGAACA TGGCAGAGGG CAAAACAAAA CAGCATTGGG AACAAGCTCT 135060

GTTTAAAAGG AGACTTGTGA ACAGCAAAGA GTAGAAAGGG TTCTCTTACA ACTGAAGCCC 135120

ATGGAAGACA AATGTGTACT GCGTGAGTTT TAAGGCAATA GGAGTAGTGG GACCTAGGGC 135180

ACACCAGAGA GCATATTAAC TCTCAAACTT TTAAAAACAT TATATCTGCT GGACACAGTG 135240

GCTCACACCT TAATCCTACA ACTTTGGGAG GCCGAGGCGG GCGGGTGTAG CTTGAGCCCA 135300

GGAGTTCGAG ACCAACCTGG GCAACATGGC AAAATCCCGT CCCTACAAAA CAAACAAACA 135360

AAAAACAAAA TTAGCCAGGC ACGGTGATGC GTACCTGTGG TCCCAGCTAC TCAGAGGCTG 135420

AGGTGGGAGG ATCGCTTGAG CCCCGGGAGG TTAAGGCTGC AGTGAGCCAT GATAATGCCA 135480

CTGCATCTCA GCCTGGGCAA CAGAGGGAGA ACCTGTCTCA AAACAAAAAC AAAAACACAC 135540

CATACCCAAC CACAATGCAT CTGTCTTAAG TACCAGTACC ACACCCTCT ACTCACTACT 135600

AAATAGGTGA GTTCCCAATC CCTGGTAGCA GGTTTAAGCA TGTTATATTA AAGGTCTTAG 135660

GCTAGTGACT CATTCACTCA TTAAACAAAT ACTTATTGTG CATCTACTAT AAACTAAGTA 135720

CTGTGCTAGG TACAAAAGCA AATAATCTAA GCTCTATAAA CTTTACTTTC TTCATCAACA 135780

AAATGGAGAT GTTTTAGGCA TCTACTCATC ATTCTGAGCT CCATCTTTTG TGACTGTAGT 135840

TGGCAGAGCT TTTTATCAGT TTCTCTAAAT AGCTCTACCA GTCCCTGGTG GATGCTGGCA 135900

TGCCCAAAGG ATCCATCCTG ATGGCCCTGT CTGCTTACCT TACCTGCCTG CCTTTGCAGC 135960

ACCGCTCTGC TCTTCTGCAG GACTTCCCTT ATCCTTTGGG GTCTTGCTGC TCTTAGGCTG 136020

```
CTCTGCTTGT TTTGATCTGC TTTGCATCAC ATGTATGTAA AGGTCCTTTC CTTATTTACC   136080

CATGACCAAG GTATTATGAG ATTCTGGAAT TTCCCCAAAC CACATTGATT GCTGGGAGAA   136140

TAGAAGAAGT GGATTACAAG TGGAACTTAG AAGGGGAGTA TTCGAGAAGA CGTCTCTGCA   136200

AATCCATTTA GAGAGACCTT TCTCCAGTGG TGACTCAAAG ATGCAGCTCC TTTCATCCTG   136260

TGGCTTGGCC ATCTTCAGCA CATGGCTCCC AAGGATGTCC TCAGGATGGT CTCTAATCCA   136320

AGGAGCCTGA AGAGAAAAAA AGGCATGGAG TATTGTGAGT GGTAGGTGGT TATGGACCAG   136380

TTATGGAAGA ATACACATCA CTTTTGCCCA CCTTCTACTA ACCAGAACTC ACACAGCCAT   136440

AGACACTGAC AAGTAGGACT TAACAAGAAT CTAATTTTGA GTCTAGGAAT ACGACTGTAG   136500

CAAATATTTA ACAGCTTCAA ACACAGGTGC ATTGCTATCA CTATGCTTGG CCCAGGCCTG   136560

TCTCCCTTTC CTGCCATGTC ACAGGGGCCA GCATTTATGT CTAGATTGGG TTGGTTGGGA   136620

TATTAAGACA ATAATGAACC AATACAACAT CTTGAGCATA AAACCAACTG ATACAATGAT   136680

GTACAAGTCA GATGATTCTG ATGATTATGA ATTATGTCAA TAAAAGAAAT GTGATAACTA   136740

AGGTAATTTT TGTTTTGGCA AATTTTTGTT TGTTCATGAC AGGATGAAAT CCTGTCATTT   136800

GTAGCAACAT GGATGGAATT GCAGGATACT ACATTAAGTG AAATAAGCCA GAAACAGAAA   136860

GTTAAACACC ACATGTTCTC ACTTATATGC AGAAGCTAGC TAACTAAGTA AATAAGTTTA   136920

TCTCATTGAA GTAAAAGTA CAACAGAGAT TACTAGAGGC TGGGAATGGT AGGGGAAAGA   136980

GATGATAAAG AGAGATTCGT TAAAATAAGT TACAGCTAGA TAAGAGCAAT CAGTTCTAGT   137040

GTTCTATTTG TACTACAGAA TGGCAATAGT TAACAGTAAT AAATAATTTC AAAGAGCTAG   137100

AAAAGAGGAC ATTGAATGTT TCCAACACAA AGAAATGAGA AATGCTTGAA ATAATGGATA   137160

TTCTAATTAA TTACCCTGAT CTGATCACTA TACACAGTAT GTATAAAAAT AACACTATGG   137220

GCTGGGCGCA GTGGCTCACA CCTGTAATCC CAGCACTTTG GGAGGCCAAG GTAAGCAGAT   137280

CACTTGAGGT CAGGAGTTAG AGACCAGTCT GGCCAACATA GTGAAACTCC ATCCCTACTA   137340

AAAATACAAA AATCAGCCAG GCGTGGTGGC ATGTGCCTGT AATCCCAGCT ACTCAGGAGG   137400

CTGAGGCAAG AGAATTGCTT GAACCCAGGA GGCGGAGGTT GCAGTGAGCC GAAATCGCGC   137460

CACTGCACTC CAGCCTGGGT AACAGAGCAA GGCTCTGTTT CAAAAATAAA TAAATACATA   137520

AATAAATATT TTTTAAAAAA AGAACATCAC TATGCACCCC ATATATACAT ATAATTATTA   137580

TGTCAATTTG AAACATAATT TTGAAAAATG AAAAAATGAA ACACAAATAT GAATCAATCC   137640

TCTCCAAGTT GATATACTTA AAAGGAAAAA AGTCCGAGGG CTTAAACTAT TCAATCAAAA   137700
```

```
TTTTATTAAA ATGCTATAGT AATCTGGAAA GTATTTCAGA ATGAATTGGT ATAAGGTTAG   137760

ACACAAAGAT CAGTGAAACA AAACAGAGAA CCCAGAAATA GATTCACACA TCTATGGACA   137820

ACTGGTTTTG ACAAAGGTGT CAAGGCTATT TAATAAGTAA AAAAATCGTC TTTTCAGTAA   137880

ATGTTTCTTG AACAAGTAGA CATCCGGTGT GGGGGAGAGG AGCAGGAGCC TTACCTCAAA   137940

CTTTATGCAA AAATTAACTC AAAATAGACC ATAGACTTAA ATGTAAAAGC TAAAATTATA   138000

AAACTTCTTT AAAAAATAGG AGAAAATCAT CAACACCCTA GGATTAGCAA AGATTTCTTT   138060

AAAACAAAAC AACAGGTTTA TAGTTTATAA AACATAAATA ACAAAATGAT AAATTTCATC   138120

AAAAGTGAAA ATTTGCTTTT CAAAAAACAT TATAAAATGA AAAGCAGGAG GCTGAGGCAT   138180

GAGAATCACT GGAACCCGGG AGCTACAGGT TGCAGTGAGC CAAGATGGTG CCACTGCACT   138240

CCAGCCTGGG TGACAAAGTG AGACTCTTCC TAAAAAATAA ATAAATAAAT AAATAAATAG   138300

AAAAGAAAAA GAAAAATCAC AGGCTGAGAG AAAATATTTA TAATACATGT ATCTGACAAA   138360

GGACTCGCAC CTGGAAAATA TAAGGAACCT TATAACTTAG TAAGATGACA AGCCAAAACA   138420

AAGAGTAAAA GTTTTCAACA GACATTTCAC AAAAGAAAAC ATACAAATGG CCAGTATGCA   138480

CATGAAAAGA TTTTAAACAT CATTAGTTAC TAGGGAAATG CAAGTCAAAA CCACAATGAG   138540

ATACTTCACA TTCAACAGAA TAGCTAATGT TAAAAGGACT GACAATCCCC AGGGTGAGCA   138600

AGGGTGTGGA GGAAACTACT CTCATATATT GTGAATGTAA GAGGACAATG TTACAACTAC   138660

TTTGAAAAAA GTTTGGCTGT TTCTAACATA AAATTAAACA CTTATACAGC CCAGCAATAT   138720

TTCTGGGTCA TTTCTCCCAG ATAAATGAAC ACATGTCCAT ACTATGACAT GTACAAATGT   138780

TCATACTGGC TTTGTTTCAC AATGCTATAA ACTGGAAACA ACCCACGTGT CCATCAACAG   138840

GTGAATGGGT AAATAAATTG TAATATATCG GCCAGACGCA GTGGTTCATG CCTGTAATCC   138900

CAGAACTTTG GGAGGCCAAG ATGTACGGAT CACCTGAGAT CAGGAGTTTG AGACCAGCCC   138960

ATCCAACATG GTGAAACCCC ATCTCTACTA AAAAATTAGC TGGGCATGGT CACGGGCGCC   139020

TGTAATCCCA GCTACTCGGA AGGCTGAGGC AAGAGAATCA CTTGAACCGA AGAGGCGGAG   139080

GTTGCAGTGA GCCAAGACCA TGCCATTGCA CTTCAGCCTG GCAACAAGA TGGAAACTCC    139140

ATCTCAAAAA AAAAAAAAAT TGCAATATAT CTATATCTTG GAATATTATA AAGCAATAAA   139200

AGGGAATAAA CTACTGATAT ATACACAAAA TGGATGAATC TCAAAAATGT GAAGGAAAAT   139260

AAAAAATACA TATGATATAA ATTCCATTCA TATGAAATTT TAGGAATGGG AAAACTAAGC   139320

TGTAATTATG GAAAGTACAT CAGTGGCTGC CTGGGGCCAA GAGGATGGAA GAGGCGGCAC   139380
```

```
AGGTGATACT ACAAATGGAA ACTATCTAGG TTGACGGAAG TGTTCTGTAA CTTGATTACA   139440

GTAGTAACTG TTTGGGTATA TAAAACGCAT CAAATTGTAT AATTAATACA GGTGTATTTT   139500

ACTGTGTATA AATTATTCCT CAATAAAGTT GATTTTTCAT TAAATATATT ATTTGCTAAA   139560

ATGAGGAGAG ACAACTATTA TCTTAAAATA GTTAAGCACA ATAAAAATAC TACAATCAAC   139620

TCATTATATA TGGAAATTAA AGGAGAAAAA TAGTGGTATG ATTAATTAAA ATAAAAGAA   139680

AACCTTCTAA ATTTTATCTT AGCTCATAGT TGTAAAAGCT GCCATCCCTA ACCAAGGCCA   139740

CCCTTGACCC TTTCTCATGT TCCATCTTTC TGTTTGTTTC ATAGTTTATG TCTCACCAAA   139800

ATCTATCAGA TAAACGTATT CATATGAAGA TTTAAATATA TTACATGTTA AGCCTTAGCG   139860

AATACTTCAA TATCTAAAGA AGGTACAAAC AAAACAAAAA TCAACACTTA GTTATAAGAG   139920

ATTACATACT CTCCAGGGAA GACCTGAAGA CTAGCCCCTT TCTGGATCCC ACTAGCCCCT   139980

CATCCCACTC CAAGCCCTCC CCTCCAATCC CATATGCACT GGGCATTCAT ACAAATAAGA   140040

CCATCAGCTC TGGATATCTG TACTGATTGA TGCTCCTGCT AACTACCTGA ATGATTGCGA   140100

TGTAAGGACA GCACTGCCTG AATCCTATTT ATCTCTCGCT ATGCCATAGC GGCCTTCCAT   140160

GCTGATGGCG TGTTTGAGGA TCCAGAGGGG TCTTTGGTTG GCAGGATTGT TTTATTTCCC   140220

CAAGAGGAGA GCCTTGATGC AAAAATAGGT GAAGAAATCA GTACAACAAA ACAGAAAGCC   140280

TAGAAACTAC TATGAACACA ATAGAGCAGA AGTAGCCTTA AGAGTTGGTG GAGAAAGGAT   140340

GGTCTATTCA ATTACCTGGG CTGAGAAACT GGCTTTCATA TGGAATAAAA ATAAAATTAT   140400

AGCTATACCC CATATCATAC ACAAAAGTTT CTACATCTAA CAAAGACACA GATAGAAAAT   140460

GTTTTAAAAT TTTAGAAGAA AATAGTGCAG AATTTTAGTG CAGAATTTCT TAGACTAGAT   140520

GCAAAAACAA AAATGATTAA AGTGGCCAGG CACGGTGGCT TATGCCTGTA ATCTCAGCAC   140580

TCTGGGAGGC CGAGGTAGGT GGATTAGTGG AGGTCATGAT TTCGAGACCA GCCTGGACAA   140640

CATAGTGAAA CCCCATCTCT ACTAAAATAC AAAAATTGGT AGGGTGTGGT GGCTCACGCT   140700

TTTAATCCCA GCTACTTGGG AGTCTGAGGC AGGAGAATCA CTTGAACCTG GGAGGCAGAG   140760

GTTGCAGTGA GGGGAGATGG CGCCACTGCA CTCCAGCCTG AGCAACACAG CGAGACTCTG   140820

TCTCAAAAAA ATCTAAAAAT AAAAGATTA TTTTTAAAAG ACTATTTTAA ACAAAAAAAA   140880

TCGTTTAAAT GATATGACAC ACTACATCTA ATATTTGGAA AAGTACTTCT TAATACTTTT   140940

AATAAAAAGA GGCGCTGAGA GCATACAACC TATCCTCAGA AGAGTGTTTG ACCTCTAGGA   141000

GGGACGCAAG CGCGTTCTTC CTTCATTTTA ACTGGTCATT TTCATTTATT TCAGGAACAT   141060
```

-122-

CTGAAGTAAA CACAGTCACA CGTTAACCTT TAAAAATCTA GGAGGTGCGT ACGCATAGTT   141120

CCATTACTTC AATTTTTGTA CTTTTGCATT TTAAAATATC ACAGGGAAGC TCGGTACAGC   141180

TTCAAGGCTA GGAGGGGTGG CTCTCTCTTA AGCCCTGTCC CCGCCAGCCC CAGACCTCTC   141240

GTCCCGCCCC CATTGCCCAG TCCCCACCCT CACTTCCCCA TTTCCCCACT CCCGCGGTCT   141300

CTTAACGCAC CTCGTTTTTC GTCCAGTGGA CTCAGACCTG TAGTCTTCCA CCAGGATCGG   141360

CTCCTTTCCC GGAGCTCTCG CTCTTAGAGG AAATTGAGAG AAGCATCAGC GGAGACCCAT   141420

CTGTGGCTCT CCAGAGGGCG CGGCATTCAG ACCCCAGATC CAGCTGTGAG AACGGACCCC   141480

AGGCTCACAC CAGGCCTGCG GGAGGCGGCC CACCAGAGGC GCTAGAAAAC AAGCCTCGCG   141540

GGGAGGCGCG CAGGGCGACT GCAAGCTGTA GGGGGCGCTG GCGCCCTCAC AGGCCAGGGG   141600

CAGGGCCGGC GCTGCGGGCG GGGCTCCTGC GGCGTGAGGG GCGGCCCCAG GCCAGCAGCT   141660

GCGCCCTGGC TGGGAGCCGG GGAGCATTTG CTGCTCTGCT GGACCCTGAG TCTGGCGGCG   141720

GGCGGCCTCC TCTCCGCTCC CCGCCCGCCA TCCCCCAACT CCCGATCTCT CTGCTGCGTC   141780

TGGCCTCAGG CTGAGACCCC AACGAATCAT TCCCCGCATG GGAACATTTT ATGATATAAC   141840

TGAATTCAGT TTTATGTATA ACTGAATTAC GGATATGAGA ATCTCAAATG AGGACGAATG   141900

GTTTTTACGC ACAAAACATG AGACACAAAT CTGTAAGAAA TATAAAGTCG TGACCACGTC   141960

CTTTCAGAAC TTTAACCTGT TTGCTGAAGT ACGTCAGTAA CAATGGCAGG GAAAGGGTAT   142020

CTTAAATTTC ACCACAGCCT CAAAGAGGCC ATTTCGTGGA TCCGCTGAGG CTTGGAGTCG   142080

GCCTTCTGAC CACGAGTCCT GCGGCTATGA AAGAGGAAGC CGCGGTTCAG GGCGTCCTCG   142140

CGAGTCGTGC AGCCCGCCCT GCTCCAGCTG GGGACACCGG TGGTCACGGC GCTTTCCAGC   142200

TGCAGATCCA GGCGGCAGCC CAAGATTTGG TCCAGCCGCC AAGGGGTGGC TCGAGTGACT   142260

GACGGGCCTT GAACGCTCCC AGGACCCACA TCTGGAGAGG GAGGTGGGGG TGGGGTGCTG   142320

AAGTCATTCT TGGGGCCCCT GGGGGCGGGC ATGGACCTGG GTAAGGCCAG AGAAATTGAC   142380

ACCTCGTGAC ATCCCTGGAA GAGAAGTACG TTCAGTGTCA CTCCAGAGCT GAAACCGCCT   142440

TCTGGCTGGT CCCTCCTCAC CTACATACTT TTCTAATTTG CTGGAGCAG GCCGGGCATC   142500

TGTATTATCT GGTTATTTAA ATATCTGGTT ATTTAAAAGC TCTCCATTAA ATTCACATAC   142560

ACGAAAATAA AAATTAAAAA AAATTTTAAA AAAAGAAAC AAAAGCTCTC TAATGACCAA   142620

GTCCTACACG ATAGTGAATA AATTTTTTTG TGTGGTCCCT AAAATTGAGT TCATGCCTTT   142680

TCTGAAGTAA TAGACGCCCA GAGAAGGGAT CGACTTACCC ATCATGCCAC AGAGATTAAT   142740

-123-

```
TGGCCCCAGA ATTCTTTAGC AGACCGTGTA TATGAACGTC CTTTGCAATC ATATAAATTA  142800

ACTGGGAAAA CCTCATTTAG TATGTTACAT GCCTAGCGTT TTGTGCCTGA ACACCTTACA  142860

AGAACCAGGG ACTATTGCCC CAATATTATA TTTCAGGAAA GGAAGGCCCA GACAAATGGT  142920

GTCACTGGTC CACTTTCACC CAGTTGGTAA ATGAAACCAG AAATTATAGC TGTACCACAG  142980

AAAGGTGAAA ACGTTTCTTT TATAATTTCA CATACAATCT TTAATGGACC CAGTGTCCAA  143040

CACATTAAAG CAAGTGCTCA GGAGTGACAT CAAGATGTAA AAAATAGTCC TGTCCTCAGG  143100

GAGTTTAGGT CTTGGAGAAA AGAGACCCAA GGAGACACAA GACAAAGGGG AAAGAGAAGG  143160

AGCGCTGAAG ACTGAGGACC CTGCCTGTGG ACTGAAGTGA GGATGGGGAC ACCCGATGCC  143220

CGGAATATGA CAGTTTGGAG GGGCCTGAAG GACTCTTCTA TTCTCTATCA GAAAAACAGA  143280

ATTACTCTCC TAACCAGAAA AGGTATTTCA ATTTATATTT CCATCACAG CACTTTTCTG  143340

GTGATAATTT AATGTGTTTT AAAAAATGTA TCACAGTGAT GGCCTGGTGT GAAATAAATA  143400

ATAAAATTTT AAGAATTAAA AAATATAAAA ATCTTTTATA TAGACATTAG GAGTTACAAG  143460

GATAACTGTG AATTATAATT AGTAATTAAA TTGAAATACT GATTATTTTC ATTTTTATTT  143520

AATTATTTAA TAAAACCTAT TTAACATTTA ATATTTATCA GTAATTAAAT CTAATTGTTA  143580

ATATTTATTA TTATAAATTA TTTTAGAATT AAAAATAAGT GTAGAAGCGA GGCATGGTGG  143640

CTCAAGCCTG TAATCCCAAC ACTTTGGGAG GCTAAGGTGG GAGGATTGCT TGAGCCCAGT  143700

AGTTCAAGAC CAGCCTGGGC AACATGGAGA AACCCTGTCT CAATACAAAA AAATGAGCCA  143760

TGTGTGGTGG TGCGTGCCTG TAGTCCCAGC CATTCTGGAG GCTGAGGTGG GAGGATGACT  143820

TGAGCCTAGG CAGTCAAGGC TGCAGTGAGC CCTGATCTTG CCACTGCACT CCAGTCTGGG  143880

CAACAGAGCA AGACCCTGTG TCAATATACA TATGGACAAA CTTAAAATTT AAAATGAAAG  143940

CATACTACTG ATACAGAATT GAGTAGAGAT GCAAAGCTAG TCCTATAACC AGAACAATAA  144000

AGATAAAAAG GAGAGTGGAA GAAGGTATGT CATGAATTTC ATGATAAATG GCAATTGCAA  144060

ATATCCTGTA GCAGAACAAA ACAACAAAC TGTAGATAAA ACATATCCAA CCCTTTGGAA  144120

GGCCAAGGAG GGAGGATTGT TTGAGCCCAG AAGTTGGAGA CCAGCCTGGG CAACATAGTG  144180

AGACCCTGTA TCTAAAAAGG AAGAAAGAAA AAAAAAAAA GGATGATAAA GTAGACAATA  144240

TTGAAAGCCA TTTTCTGCAA ATACATAGTG AATTTGATCA GTAATTTTCT TCCAACAGTG  144300

CAAAAATGAA TAGATATTAG TTGCCTGAAA TAAAAATCAA ATATCCAACA AAAAATATTG  144360

ACTATCTAAT AGTATCTAAG CTAGTAAATT TGGCCAGTTA TAAAATGTCT TAAATTTTTA  144420
```

-124-

```
TTTAAAAAAA GAAAACCATA TTTATAAGAA GAGGTGATAA AGAGAAATTA TTTCAGTTAT  144480

GAAGATTTTG TTAGAAAACT ATGAGAAAAA AACTATTTTT TGTTTTCAAA AAGTGAAAGA  144540

TTAAGTTACC AAACAGTTGC TAAAGAATAC CAGATGGCTG AGCGTGGTGA CTTATGCCTG  144600

TAATCCCAGT ACTTTGGAAG GCCAAGGCAG GAGGATCATT TTAGGCCTGG AGTTCGAGAC  144660

CAGCCTGGGC ACTGTAGCAA GACCCGTCTC TATTAAAAAA AAAAAAAAAA AAAAAAAGA  144720

ATACAAGACC TTGCTAACAA TAGCAAAGAT CAATTAATTC AAAATTTGAA AAACTGTAAT  144780

TTATTTAGCT TTAGAGTACT CTCGTGATAT GAGATTGCCA AATTAATACT TTGGGTGCAT  144840

TTCTTTTCTC AAAGGACTTG CAAATTTACA AAGAAGTGTT GAAGAAAGC CACACATTGG  144900

CAGGTAATGT TTGCAAAAGA CAGATCTGAT GAAGAACAAT ATTTTTAGAA TATACAAAGA  144960

ATACTTAAAA CTCAACAGTA AGAAAATAAC CTGATTTAAA GCAGGCCAAT GACCTGAACA  145020

TCTGTTCACC AAAGAAGATA CACAGATGCA AGTATGCATA TGAAAGATG CTTGACATCA  145080

TGTCATTAGG GAACTGCAAA TTAAAACAAG TAGATACCAC TGCATACCTA GTAGAATGAC  145140

CAAAATTTAG AACACTGTCA GCACCAAAGG TTGCAAAGAT ATGTAGCAAT AGTAACTTGT  145200

TCATTACTGG TGAGAATGCA AAATGTGCAA TCACTTTGGA AGACAGTTTG GTGGTTTCTT  145260

ACAAAAGTAA CCATACTTTT ACCATAAGAT TCACCAATCA CACTCCTTAG TATTTATCCA  145320

AAGGAATTGA AAACTTATCT CCACACAAAA ACCTGCACAT AGATGTTTAT AGCAGCTTTA  145380

TTCATAATTT ATCCAAAACT TGGAAACAAG ATGTCTTTCA GTAGGTAAGT GGATAACTGT  145440

GGTACTTCTG AATAATGGAA TGTTATTTAG AGTTAAAAAG AAATGCATTC ACTTTGGGAG  145500

GCCGAAGTGG GTGGATTGCT TGAGGCCAGG AGTTTGAGAC CAGCCTGGTC AACATGGGAA  145560

AACCCCAATT AGCCGGGCAT AGTGGCGTGA GCCTGTAATC CCAGCTACTC GGGAGGCTGA  145620

GATATGAGAA TCGTTTGAAC CTGGGAGATG GAGGTTGCAG TGAGCCAGTG CCACTGCACT  145680

TCAGCCTGGG CAACAGAGCA AGACTCCTCT GTCTCAAAAA AAAAAAAAA AAGAAGAAA  145740

AGAAAAAGA AAAAGAAAA GAAAGAAAC GATCAAGCCA TGAAAACACA TGAAGGAAAC  145800

TTAAATGTAT GTTACTAAAA AGCCAACCTG AAAAGACTGC ATACTATATG ACTCCAACTG  145860

ATGCAGGGCA AGCAAGCCAA AAATTAGGGC TTAGCCCGGG AAGAATTCAA GGGTGAAGTG  145920

GTGGTGTTAG CAACTTTTAC TGAAGCAGCA GTGTACAACA GCAGAACAGG TACTGCTCCT  145980

TGCTGAGCAG GGCTAACCCA TAAGTAATGT GCCCAGAGTA GCAGCTCAGG GGCAGTTCTG  146040

CAGTAATATA CCTGCTTTTA GTTAAGTGCA TGTTAAGGGG GATTATGCAG AAATTTCTAG  146100
```

-125-

```
AAAAAGAGTG GTAACTTCGG AGTAGGTACA GAGGAAAGAA GTCGATAATG TCCTGTTGTT   146160

GCCATGGCAA CGAAAAACTG ACATGGCGCT GGTGGGCGTG TCTTATGGAG AGGTGCTTTA   146220

ACCTCGTCCC TGTTTCGGCT AGTCTTCAAT CTGGTCCGGA GTAAAGTCCC TGCCTCCGGA   146280

GTTCACTCCT GCTTCCTGCT TCACAACTGT ATGACACTCT AGAAAAGACA GTAACTATGG   146340

ACACAGTCAA AAGATTAGTT GATAGAAATT GGGTGACAGG AAGTGTTGAA AAGGCAGAAC   146400

ACAGGATTTT TAGGGCAGTG AAACTTCTGT GATACTATAA TGGTGAATAC ATGACATTAT   146460

ACATTTGTCA AAACCCATAG AAAGCACAAC ACCAAGAATA AACCCTAATG TAAATTACAG   146520

ACTTTCGTTG ATAATGACGT GTCAATGTAA GTTCAATTGT AATAAATGTA CTACTGTGGT   146580

GCTGGATGTC TATGGTGGGG GGACATTTTT GCTTCAATAG TTACAGTTGA AGTAAATGTT   146640

TGTGTTTCCC ACAATGCATA TGTAGAAACT CTCACATTCA ATGTGATGGT CTTTGGAGGT   146700

GGGCTCTTTG GGTGATAGTT AGGTTTAGTT GAGATCCTAG CAGATCGAGT CTTCATGATG   146760

GGCATGATGG GACTGGTCCC TTATAAGAAA AGACCAGAAA GCTAGCTCTC TCTTTGCCAT   146820

GTGAAGACAT AGCAGGAAGG TAGCCATCTG CAAGCTAGGA AAGGGCCTTC ACAAAGAATC   146880

AACTCAGACC TCAGAACAGT GAGAGATAAA TTGTCGTTGT TTAAGTCACT CAGGCTGTGG   146940

TATTTTGTTT CAGCAGCCCA ACCTAAGACT GTTAATTGGA TTAGAAATTT CCTTTTGGGG   147000

ATGGTGTGTG GCGGGCGGGG GGCGGGGAGT ACCTTTGTTA AGCTTTTATA TCAATGAGTT   147060

TGTAGGCTTT TCTTTTTTGG TCATTGACTA GGACAGTTTA AATAGTATGA GTGTGAAGGA   147120

GATTGTTGGT CATCTATTCG ATGTCCCTTC TCTGTTTTTT AATATGAGAA CTCCTGATTT   147180

TCAGCCAACT ACCCTGGAAA AAAAGCTAAT CTTTCTGACT TCTTAAGTGT GGCCATGTAC   147240

TAAATTCTGG CTAATGCAAG GCAAGCCAAA GGTTTTATGA TAGGTTTTAG GACACTAGAG   147300

TAAAAGAGAG CTGTTGCACA CATGCTCTTC ACCCTACTTT TGTGTCCTTT TTTCCATCCT   147360

ACAACTTGGG TTGTGAGTAT GATGGCTGGA ACTTTAGTGG CTCTCTTGGA TCCCAGGGGT   147420

AATTGAGGGG TGGCTGGAAG GAATCTGTGA TTTTCTGGAG TTTCCATACA CAAACAAGAC   147480

CTGGATTTTC TGGGCTTCCC AGACTTCCAC ATCTAGACTT GCTTTAAATG GGAGATAAAT   147540

AAACTTGTTT CAGCCACTGT CATTTGGGC TATTTTATAG AACTTAATCT AATCTTCAAG   147600

GGTACATGAA TTGCTTTTCC TTAAAAAAAA AATCAGCCAT AAAATCATCT TCTTTTTTCT   147660

TTTGTTCCCC ACATTATTTA GTTGGAGCTC TGTAACTTTT TTTTTTTTTT TTTTGAGAC   147720

AAGGTCTTGC TCTGTCACTT AGGCTGGAAT TCAGTGGCAT GACCATGGCT CACTGCAGCC   147780
```

```
TTGCCCTCCT AGGCTCAAGC AATCCTCGTC TCAGCCTCCT GAGTAGCTGA AACTAAGGCA    147840

CATGCCACCA TGCCCAGCTA ATTTCTTTTC TTTTAGAGAT GGGAGCCTTG CCCAGGCTAG    147900

TCTCAAACTC CTAGCCTCAA GTGATCCTCC CATCTCAGCC TCCCAAAGTG ACAGGATTAC    147960

AGGTGTGAGC CACCATGCCT GGCTGCTCTG TAAGTGTCTG AATTTCATTT TGTATTTATC    148020

AGTCTGTTTA GATTTCTTTT CCCTTCTTGG GTCAGTTAGG CCATTGGTTT CTTTTTAAAG    148080

GTTTTCAAAT TTATTTGCAT CTAATTCTTC AAATTACTCT CAAAATTATT CCAGTATATA    148140

TTCTTTTGTT CCTATTTTCT TCTGTATTCT TTATTAAAAT AGCTAATGAT TTATCTAGCA    148200

GGACTTATAT TCTTTCCATA ACTTTCCTGC ACCCCAATTA ATCTCCAATT TTATATTTCT    148260

TCTGGCCTTC CTTATAGTTT CCACAGGTTT ATTTTATTCA TTTTTTAAAA CTTTTATTTA    148320

ATTGTTTATT TTATTATCAT TCTTTCTTAT TCAGCAATCT AAGTGCTTAG GGATATAGAA    148380

TTTCCTCTAA GCAGCATATG CTAGGCTTTA ACAATGTTAG GGAGGCCTCC CCTTTCTGGG    148440

GAAGACCACA CTTACATTAA CACAGGACTG TGGGATGCCA AGAGGTAGAG AAGAGCTTAT    148500

GAATATCCAG ATTACATCTT CACTGATCCT GCACAAAGGT GGGGTTCCTC GGTTACCCAC    148560

TGGGTCCTAT TACCCAAGTC TGGGTCAGCA TACCGAGACT ACGGGTATAT AGAACAAGTG    148620

CAACTGGCGA TAATCCTTCT GTTGGGGAGA AAAATCTTTT TTTTCTATTC ATCTTAGGTT    148680

CTCCATCTGT GGCCCTATCA AGTAGACTAA CAAAAGACAG ATTGACAAGA CAGAAACAAA    148740

GCATGTGCAT TGTACAAACA CAGGGGAGTA CTGAGATGAA TACTCAAAAG AGGATTTAGA    148800

ACTTGGGCTT ATATAGCATT TTAAGAAAAG AATACATTTT TTAAGTGACA AGGAAGACGA    148860

AAAGGACTTT GAGTTTCTAG TGCAGTAAAT TGTGGGAAGG CAACTTTTTC TTTCCCTTTT    148920

TTTTTTTTTT TTTTAAAAA AAAAGACTTC TCTGGTGCTA TGTCCAGGCT GATAAGAGTC    148980

TAAAGTCTCT GGTGACTAAC TTTTGTTCTT CCCCGAGTAA GAAGACACCT TCACAATTTC    149040

ATATCCTGCT TTTAGGCAAA TAGGGAGAGG GCAGAGGTGT TTGTTTGTTT TTAATCTATT    149100

TTTTTTCTCA ATTGTCTTCA ACTCAAAATA CTTCTTATGC CAAAGATGGC ATATTCTGCT    149160

ACCCTTCACT TACTACTTAC AACCCAGCCT CTATCATCAT AATTAGAACT TCTGACCCTG    149220

GGGAACATGG GCAATAGTTT GAACTCTTTT ATATCTCCCT TAGGCAGAGA TGGAGGCCCA    149280

GCCATGCCTC TGACATCTAG ACACAACTGT TGCTTCATTT CTCCTATTCT CAGAGGTGAT    149340

GTTGTAGGAC TTCAACAAAT ATCAGTAAAC ATTAATTTTT TTTTCCTTG AGGCACAGCA    149400

TGATCTTGGC TTACTGCAGC TGCTGCAGGC TCAAGCAATT CTCCTGCCTT GGCCTCACGA    149460
```

```
GTAGCTGGGT TACAGGCCCC TACCACCATG CCCGGCTAAT TTTTGTATTT TTAGTAGAGA   149520

CAGGGTTTCA CCATGTTGGC CAGGCTGGTG TTGAACTCCT GACCTCAAGT GATCCACCTG   149580

CCTCAGCCTC ACATAGTTCT GGGATTACAG GCGTGAGCCA CCATGCCTGG CCATCAATTT   149640

TTATGTCAAC TCTAAATTAT AACATTTAGC AATTTTGTGA CTTTTTATGG TCATCATTAA   149700

TGTTGTTTAT GTTTTAGTTG TAGTCCTGTC ATTACTCACT CGGGTATGGT AATTTGGTCT   149760

TTTTCAAAAT GAAGTTAAGG TCTATTTGCT CTTCTCTGAA TCATAATAAG AACTGCCAAC   149820

AGCCATTTCA GCAATAACTA TTTACTGAGA TTTTAAAATA TTTCAAGGTA ATTGGTCCTA   149880

GCAGACTGGA AAATACCAAA TTCTTTTCCA GAACTGAATC CCCCATCAAA GTTCAATTTT   149940

ACTCATAATT CCCTTTTCAT TTGAAGCATC TCATTGTAAG CCAGTCTTAA CCCTTCTCTC   150000

ACACTTTGCT TGGCTGTTTC TCAGGTAGAA CTCAGTAAGT CTGGTAGCCT CCAGGACTGC   150060

CGCTTAGATT ATTAAACAAC ATGTCAGTGG TTGGAAGAGT CAATGTTATT TTGATTTTTC   150120

TGTTTTGTTT TGTTTTAAAT GCAGTTGGCG GATAATTGCA GCTTTCTTTC ATTCCCTACA   150180

TGAGTTCAAA TGGCAGCAAA CAAACTAGGA GAACGCAGAC CTTCTGACTT GTGGGTACCC   150240

CTACTCATCA CCTGAAGACC CTTGGAAATC AAAGCCCTGA CCCATTAAAG ACGGATGGAG   150300

ACAGCAACAT ACGATCATCA CTATTATCTT GCTTTGCCCC AGTCCAGGTT AACCATCTGT   150360

GGTATTTTTA GTTGCTAAGT CCATATATTC AACATAAATC AATTATATAT CCACTAAAAT   150420

CTCAGCACTA GTCTAACTAC TAAGGAAATG ACAGCGAAGA AAACAGACCA AACGTCTGCC   150480

CTTATGGGAT TTATATTATT TTCTCTGTGC TGGTTAAACC AAGGAGCTTC TGCTCTTTTC   150540

CTTAGTCACC TGGGGGAGGC AGAAACAAAG GAGAATATTG ATAAACCTGG AAATAGGGCC   150600

GGAGAGTATC AGAGAAGGAA GCCTTCGGGA AAGTAAAGAT GTGGCAGCCA GTATTCCCGT   150660

TATAAAAGGA TACAACTCCG GCCTCATAGT CCAGAAAAAT TCCCACAAGC AGGGGCTGCT   150720

CATGCAGATG AAGGGAAGTT GGGGGAGAAG TAAGTGCTAC ATAGCCTTTC TTTTTGCACA   150780

GCCTGAGGGT CCAGAATCCA GACTGAGGCT CTTGCTTCAT GCCAGTGCCC CTCTGCACAT   150840

TTTCCATACA AACTCCTAAA TCCCATCCGG TTCCTTCGCC AACATCCACT TCAAAGTAAC   150900

GTCTTCCTGA GGTGAAGCCT TCACAACCCA AGACACAGGG GAAGGCAGTA AATCTCCTGG   150960

AAGATGTGTC CTGATTCTCC TGGGTGTATC CACGAGTCAC TTGTCTCCGA TCCTCAGAGA   151020

GAATTAGTTC GTGATGAGCT GTATCTGGAT CCAGAGTCAC ACTAACTGCA AAACAAAACA   151080

AAACAAACAA AAATAATTTT GTTGCTGTGA AGAACACAGG TTATTTTATT TTATTTTATT   151140
```

TTGAGATGGA GTGTTGCTGT CACCCAGGCT GGAGTGCACT GGCACTATCT CAACTCACTG 151200

CAACCTCCAC CTCCTGGATT CAGGCAATTC TCCTGCCTCA GCCTCCGGAG TAACTGCGAC 151260

TACAGGTGCG CACCACCACA AGTGGCTAAT TTTTTTAAAT TTTCTGTAGA GATGGGGTTT 151320

CGCCATGTTG GCCAGGCTGG TCTCAAACTC CTGACCTGAA GTGTTCCACC CACCTCGGCC 151380

TCCCAAAGTG CTGGATTACA CAGGTGTGAG CCACCATGCC CAGCCACAAG TTATTTTCAA 151440

TAAAACCAGC CTGTGTTCAA ACCCAACTAT TGTTTCTTAT AAACTGGGTG AGCTTAGGCA 151500

AATCATTTAA CTTTCTGAGC CTCAGTTTGT TAACTATAAA GTGGAAATTA CCGTATTTGT 151560

TGCAGAGAAT GGTGGGTAGG ATTGAATAAG CTTATGTTTG CTTAATGCTT GGTAAAATTC 151620

CTGGTACATG GTAACCACCT AATAAGTGGT AGTTGTTGGG GTGATCAGGC CCAACACCAG 151680

GCCGTGGGGG CTACAAAGTC CGGCGGGGTC AAAGGAATGA GAAAGACAA GTTAAGAGTG 151740

CATAAAGTGG GTCCAGGGTG CCAGCACTAG ATTGGAGGCT GCAAAGGCCC TAAGCTCTGG 151800

GAGCCCACAC TATTTATTGG TGATCAAACA AAGAAGCAGG TGGTGAGGAC GTGAGGGTAA 151860

ACAGGTGAGG GCATGAGGAC ATGGGGGTAG AAAGGTAGTG GTGCATTAAG CGTAGCTGTG 151920

ACAGTTTAGC ATTTTCTTTG ACACATGTAG AATATACTCT GCTGCTTGAG ATAGTAGAGG 151980

ACACGTTTAT GAGTGAAAAG CAAGGAACCA ACAAGTCTGT GCACTTTCCA GAGGCTATGA 152040

GGGGTTTTAT GCCCTGAGCC CTGGGTTCCA TCCAAGCCAC AAGGGGTTTT ATGCCCTAGG 152100

CTTAGATTTG TGGTGCGGCA GGGCAGCCTT CCACCATTTG GCACAGAGCT TGGTGTTCCA 152160

AAGGCCACGA GGGGTTTTGG ACCCTGGACC CCGGACATCT TCCAAGACTC TTTTACATTA 152220

TGACAGACAA GCCAGTCCTG CTTCAGCTCT TCTAACAACA TGTAGTAATA ATGATATCAT 152280

CAACATCATC TTCGTCTTAA TTATTCAAGG ATGCCAAGGT ACAGAACTAA CCTGTTAATA 152340

TGGTTACCAT CCTGTCCAAA GTTCTTCTCC CATGCAGGAC TTCCAGGAAT CATGAGACAG 152400

TTGAGCAGAA AGATACCTTT TCCCTTCTCT ACTGAATAAC CACCAACATT GAGAATCAGA 152460

GAGGGAAAAT GACTCAGCTA ATGTCTTAGC TTGTTATTGG AAGACCCAGG TCTCATGACA 152520

CATGCCTAGT CCCATGACTT TTAATTGTAA GCTCTTCTCT TTCCCCTCAG ATAATGTTCC 152580

ATAAGCATTA GTATGAGATA ATAATACACT GAGGACCAAT ATACATGAAA AATATCAGAC 152640

TAGAATCAAA CAAGACAGAA AAAAGATCTG ATAACCTAAA GTGAGATACT GAACAGTATG 152700

CAGTTTTAAA AATAAAAAAT GGTAATAGGA TGTTCTAACA AGAGAGTTAA GAAACCACTG 152760

TGCTACTGAG TTAAATGTTG ATCAGTTGGT CTGTGACAAT TAAGGAATTC AAGTATTCAG 152820

```
AAACACTTCC TGTGCTGGAT GCTCTCTGTT TGTTCTTCCA AATAATCCCT CACTTTTCCC    152880

TGTCTTGCTC TGTGCCCAGG AAGGCTGACA TGGACAGATT AACCAGGCTT TCCGCCCTCT    152940

GGCTTGGTTC AGCCAATGGG AAGCACCAGA GGAGACCATA GGGCACAAAG AAGCAGCCTT    153000

GGGAGTATTC AGTACCCCAG TCCCACGCTA TGATTTGGAG GGTCTGCATT CCTCTGCCTC    153060

TGGGCACACT CTAGTATAGT TACAGCTCCC TACACCTGCC ACTTGAGGCC CAGAGGAGGT    153120

GATGGCTCTC TAACTGTTCC TAGTTCTGGG TGCTTCCTGT TCCTTGTGGA TTTCCCAACT    153180

CCTCACCTTT GTAAATACCC TCCTTTTTCA AACTCTATTC AGTTAGCTTT TATCAGCCTG    153240

ACTCACAGAA GTTTGGGGTT TCAATTCATA TTACCTGAAT GACCCAGGAA AACCCATGTT    153300

GAGAAATTAA AATGTTTACG GGGTGGTAAT ACCACTTAAG AGAAAAAATA TCAATTGGAT    153360

TTTTAAAATT CCACCTATCT ATTGGTGTGA CACATCAACA AAAACATATA GAAAGATTGG    153420

AAGCTAAAAG ATAGATAATA TAGTCATATA CTGTTATAGT ATTATATCAA AAGATATTAA    153480

GTCAGAGCAT TATTAAGAAT GGAAGAAGGG CCAGGTGTGG TGGCTCATGC CTGTAATCCC    153540

AGCACTTTGG GAGGCCAAGG CAGGCGGATC ACTTGAAGCC AGGAGTTCAA GACCAGCCTG    153600

CCCAACATGG CAAAACCCTG GCTCTACCAA AAATACAACA ATTAGCTGGG CATTGTGGCA    153660

CATGCCTGTA ATCCCAGCTA CTTGGGAGGC TGAAGCACAA GAATCACTTG AACCGGGGAG    153720

GCAGAGGTTG CAGTGAGCTG AGATTTCGCC ACTACACTAC AGCCTGGGTG ACAGAGAGAG    153780

ATTCTGTCTC AAAAAAAAAA AAAAGAAAG AATGAAAGGA GTCACCTAAA AAAGATAACA    153840

CAATTTTAAA CATAAATGTA CTACATTATT AGTGAATTCA TGTTTAGAAT TGTGTTAATA    153900

TACAAAGCAA AAATTGTAGA ATTATAGGAG AAATGGACAA ATCTACAATC ATCATGGGAT    153960

GTTTTAACAT TCTTCTTTCC ATAATTGATA GATCAGGCAG ACCAAAAGAA AGAAATAAGG    154020

GAAGATACGG AAGGTCTGAA CAATCTAAGA AGCGCAATCT CATAGTCAAT ACATAAAGCT    154080

CAGCAATTGT TTAATAATAG TAAGCAGAGA ATATGCAGTT TTCTCAGGTA TAGATGGAAC    154140

ATGCACTAAC TGAGTAAATA CTAGGCAGAA AACAGTCTGA ACAAGTTTCA ATAAATCTGT    154200

ATTACACAGA TCATTTTCTC TAGCCTCAAT ATAAGATTAT AAACCAATAA TAAAAGATG    154260

ACTAAAAAGA TTCTAAATAT TAGGAAATGT AAACTACTAA TAAGTCATTA GAAGATGTAT    154320

AGAATGGAAC AATAATAAAA AGTTATTTAT AAAAATATAC AATGAAGCTA AAGCAGAATT    154380

TTAAGGAAAA TTTGTAGGCT TTAAATGCTT ATCTTAGAAA AATTAAAAAG CTGAACATTA    154440

ATGAGCCAAG CATCTAATTT AAATTTTAAA AAGAACATAG AAAGCCAAAT ATAATTTTTT    154500
```

```
AAAAAGAAAA AATAGATATT AAACAATATA ACAGTGAAGT TAAAGAAAAC AAGAATGCAA    154560

TAAAGAGGAA AAACAAACAA AAAAAAAGGT AGCTTCTTTT AAAAGAAATT TAATAAAATA    154620

GACATACCTC CAATGAGATT TATCAAAGTA AGACAGAAGG CACAAATGGA ATGAATACAG    154680

AAACTTTTTA AATATTACAG AACTTTATAA TAAATCTTAT GCTACTAATA AAATTGAAAG    154740

TACTGATAAA ATTATTACTT CCTAGAAAAA ATATTTCTGA GTAAAACTCA CTCAAAAAAC    154800

AAATAAAGCA TGGGCAGACC TAACATTAAA GAAATGAAAT CACTACTTTA AATTTTACCG    154860

ACAGATAATA AAACGTGCAT CTTTATCAAG CAAAAATGGA ACTTGTCAGT TTTATAGGAA    154920

ATTTAGAAGT CAAGGCATGA GTAATGCCAA TCTCATACCA AATCCTACAA AGAATAGAAA    154980

ATTATGGCTC CCGCTTATAG ACATAGATAT AGAACTCCTG CACAAAATAA TATAAATAAC    155040

AAACCAAATT TTATATTTGC AACTATACAT ATTATATGTG TATGTATTAT ATATGTTAAC    155100

ATATACATAT ATAATATGTA TAGCATATGT TCTACATATT ATATATGTAT AGTGTATGTA    155160

TTTTACAATA TATAAATGAA AACCCAATCT TTAATATATT CATCTAGATT GTCATATATG    155220

ACATATATAA TACATTACAT CAAAAATGTG TACAATAATC AGGCCAGGCA CAGTGACTCA    155280

TGCCTGTAAT CCCAGCACGT TGGGAGGCTG AGGCGGGTCA ATCACTTGAG TCCAAGAGTT    155340

TGAGACCAGC CTGGTCAATA TGGCCAAATT CCATCTCTAC AAAAAATATG AAAAATTATC    155400

CAGGCATTGT GGTGCACACC AATAGTCCCA GCTACTCGGG AAGCTGAGGT GAGAGGATCA    155460

CTTGAGCCTG GGAGGTGGAG ATTGCAGTGA GTCGAGATTG CGCCAGTGCA CTCCAGCCTG    155520

GGTGGCAAAG GGAGACCCTG TCTCAAAAAA AAATTAAAAA ATTAGCCAGG TATGGTGGCC    155580

TGTTCCTGTA GTCCCAGCAA CTGGGGAGGC TGAGGTGAGA AGATCACTTT AGCTCAGGTG    155640

GTGGAGCCAT GATCGCACCA CTGTACCACT CGGCTTGGGC AACAGAGTGA GAGCCTGTCT    155700

CGAAAAAACA AATATATACA CACAGTAATC AATATATATA TTATATGTAC CAATCAATGC    155760

TTCACTTTTA TATATAATAT AGATTACATC TTATTAGATA TATAGTATTC CTTCTCCATA    155820

GATAGATAGA TACAGATATA GACATAGTAT CCTCTATCCA TATTAGAGAG AGGATACTAT    155880

ATATATCTAT AGCATATAGA GATGCTGTCT CAAAAAAATT TAAACATCAG CCAGATGTGG    155940

TGGCCCATGC CTGTAGTCCC AGCTACTGGG GAGGCTGAAA TGAGAGGATT GCCATTGATC    156000

CTCTCATTGG TTGAGCCATA ATCGCACTAC TGCACCACTC AGCCTGGGAG ACAGAGGGAG    156060

ACCTGAGGTG GAAGGATATA GATATAGATA TATAAATAAA TATGTATAGA GAGAATATAA    156120

TATATGTGTG TATGTGTATA TATATATATT ATGAAGACAC TGGGAGAGAA TACTATATAT    156180
```

-131-

```
ATATGTGTGT GTGTATATAT ATATTATGAA GACACTGGTG GGATGGTTTC ATTACCAATT    156240

GGACCAAGAG TCCAGGTATG GAGCCAACAT GCAATGTTGT TGTTGACTGA GCTGGCAGAG    156300

CACTGGTCAT AGTTACGGGA AAAGAAGGTC TCCAATGAGA CATACTTAAC AAAATATATG    156360

AACTTGCCAT ATACGTGGAG AGTTCTGGTG TGTATATAGC CTTCTCTCAC CAACCTAGCA    156420

ATTGTCTTCA TCATCATTAT AATGCTATCA GAGCAAAGAT GACAGCTAAA TTTTTTTGTC    156480

CCTTTCTTCT TCTTTCTCTT CCTTCCCCTC CCCCACCTCT TTCTCTTCCT CCTCCTCCTT    156540

CATCTCTCTT CTTTTTTTTT TTGAGATGGA GTCTTACTCT GTCGCTCAAG CTGGAGTGCA    156600

GTGGCACAAT CTCAGCTCAC TGCAACCTCT GCCTTCTGGG TTCAAGCAAT TCTGCCTAAG    156660

CCTCCAGAGT AGCTAGGACT GCAAGTGCAC ACCACCACAC CTGGCTAATT TTTGTATTTT    156720

TAGTAGAGAT AGGGTTTCAC AATGCTGGCC AGGCTGGTCT CAAACTCCTG CCCTCAAGTG    156780

ATCCTCCTGC CTCGGCCTCC CAATGTGCTG GGATTACAGG CGTAAGCCAC TGTACCCGGC    156840

CTCCTCCTTT AATAGACAGG GTCTAGCTCT GTTGCCCAGG CTGGGTACAG TGGCGTGATC    156900

ATAGCTTACT GCAGCCTCGA ACTCCTGGGC TCAGGAGATC CTCCTGCCCT AGTCTCCCCA    156960

GTAGCTGGAA CTACAGGCAT AGCACACGGG GCTAATAAAA TTAATTAGGT GATAAAATTC    157020

ACTGCCCACT GATGACTAAG CTCTTTGGAC ATAAAGACA CAGACCTTGA AGGAAAATGT    157080

GTCTACTTAA TTTTGAAACC CTATTTATCA AAAAACAGGA TGAAAATGCA AAATGCCATC    157140

CACATGCCAG AAGATATCAG CTATAATAAG TTCCCATAAA TCAATAAGGA AAAGAACCCA    157200

ATAAAAATTA TTAAACCACA GTAAATCATG GGTAAATCAC AGAGGCCTGA AGGGCTAATG    157260

GACATACAAA AAGAATCTCA ATCTCACTAG TGAAATCAGA AAAGCACAAA TTAAGTACAC    157320

AATTAGGTAC CATTTTAAAT CTGTAAGACT GTCAAAATCA TAAATTATAT AAGTAAAGAC    157380

TCAGGGAGTT TTGGAGGAGT GAGAGCTCTT ATATTGCTTG TGGGGTAGAA TTGGAACAAT    157440

TTCAAGATCT GTAGTATCTG GTAAAATTAT GATATGCATC CCTCACACCA GCATGTCACT    157500

CCAAGGTATC TCCCTGGAGG GAACATTTAC GGGACACAAG GAAGCATGGA TAAGAATGTT    157560

CACAGTAGTA TTGTCTGCAA CAGCAACAAC AACAAAAAAA CCCAACTACA CACAACTTCA    157620

ATGCCCAGTC CACAAGGCAA TGGATTAAAT AAACTTCAGG CCGGAGATGG TGGTTCATGC    157680

CTGTAATCCC AACACTTTAG AAGGCCGAGG CGAGAGGACT GCTTGAGCCC AGGAGTTCAA    157740

GACCAGCCTG AACAAAATAA AGAGATAGTG TTTCTACAAA AAATTTTTAA AAAATTAGCC    157800

AGACGTGGCA GTGCTTGCCT GTGGTCCCAG CTACTGGGGA AGCTGACGTG GGAGGATTGC    157860
```

```
TTAAGCCCAG GAATTTAAGG CTGCAGGGAG CCATGATGGG GCCATTGCAC TCCAGCCTGG    157920

GTGACAGAGT GAGACCCTGT CTAAAAGAGA TAAGTAAATA ACAACTTTGC ATTTTCTGCC    157980

ACATTGCAAA ATGGTGAGAG AGTGGTTTCT AGACTCTAGA CTCTTTCTAT GACTACCTTC    158040

TAGTTATGAG ATCCTACAAC ACTCACCTAA CCTCTCTGTG TCATATTTCC TCCTCTATAA    158100

AGCAAAAATG CCCCATATAG AGAGGACTGT GATATAAAAC AAGAACCAAG AAAAGTAAAG    158160

CTTTTCTAAT CTGTCACAGA CTAAAGAGTG CTCAGTATAT GTGAGTCATT ATTCCTGGTG    158220

CTGGTAGGAG TGTATGTTAC AACTTTGAGT CAAGTAATAT GGTACCATAT ATTAAGATTA    158280

ACAACAACCT CGGCAATCCC AGTTTGGGGT ATGTTCCCAA AAGAAATGAA AGCACCAGGA    158340

TATAAGGATG CATGGACTAG AAAGTTATTG TAGCAACATT GTAATAACTA AGTTCTAAAA    158400

ACAGCCTGAA GCTCCATCAG TAGGGATATG GTTACATATA TTTATTATAT CTTATGGAA    158460

TATTAGACAT AAAAAGTAAC GAGTAACATA GAAGAGACAG TGTATATATG TTACGTTTGT    158520

ACAAACTTAG GGAAAGATAT AGATCACCCT ACCTAGAGAA GTCAGATTGG AGACGGGTGG    158580

GAAAAACCTT GAACTTTCTC CTTATATCCT TTATATTGTT TGACTGATTA AAATGTATTT    158640

GTTGCATCTG CTTGAAGGCA ATGTAAAATA AAATAAACAT ACATTTAAAA ATAAAAATAA    158700

AATTTATTCC TATCACTTTT GTAATAAAGC TGGGCACAGT GACTAACACT TGTAATCCTA    158760

GCACTTTGGG AGGCAGAGAC AGGCAGATCA CCTGAGGTCA GGGGTTTGAG ACCAGCCTGG    158820

CCAACATTGT GAAACCCCAT CTCTACTAAA AATACAAAAA TCAGCCAGGC ATAGTGGTGC    158880

GTACCTGTAA TCCCACGCTA CCCGGGAGGC TGAGGCGCTG GAACCCAGGA GGCAGAGGCT    158940

GCAGTGAGCT GAGATTGCGG CACTGCAAGC CAGCCTGGGT AACAGCGAGA CTCCATCTCA    159000

AAAAAAAATT TGAAAAAAGA AAAATTTTAA TAAACAGTGT TTAAGAGGGG AGAAATATTT    159060

AGTTAAAAGA TAAGCCCATT TAAGAAATAG TTTCACTTGA CCCGGAAGGC GGAGCTTGCA    159120

GTGAGCCGAG ATCGCACCAC TGCACTCCAG CCTGGGCGAC AGAGCGAGAC TCTGTCTCAA    159180

AAAAAAAAAA AAAGAAAGAA AGAAAGAAAG AAATAGTTTC ACTTGAACCA TATTATGATT    159240

CCTTCTGTAA AAGATGAGAG TAGGCAAATT GACTCAGTGA AATCCCAGCA AAACTTACAC    159300

AAAGTCTTGT TCTTCCTTCC TGTCATCTGT ATAGGATGAA ATACAGAGTG CTTTTGGGTT    159360

TTGTTGTTGT TTGTTGTTGT GTATTTGAGG GGAACACAGG TCTATAATTC CTTTTCTGAA    159420

ATCCCTGGAA CAAAATGGGC TTTGCCATTC AAATTAGTTT AGAAGTTATA AAGGCAAAAA    159480

AATGCATATA CTCTAAAGTT CAACCCCATC ATGGCCTAAG GCAGAGCCCT GTAATCAAAT    159540
```

```
TCATCAATAT ATCTGCAGCA AAACATTTAT TCAAATTAAG TGGGATAAAT AAAGACTTTT    159600

AAATAGTCTC ATCTCAGTGC CGTTCAGGGT TGGCCACTGT GGAAGACAGA CTCAAGGGTG    159660

GCCTTCTATG ATTCCTGCCT CTTGGTGTTC ACACCCTCGT AAAATTCCTT GTCTTTGAGT    159720

GTGAGCAGGG CTTATGAATT GCTTCTGACC AATAGGATAT GGCAAAGATG ATGGGATATA    159780

ATTTCTATGA TTACGTTTCA TTATGTAAGA CTCCATCTTG CTGGCAGATT TTCTCTAAAG    159840

AGTCTGTCTC CTGAGCTCTC TCTGAAGAAA TAACTGGCCA TGTTAGAAGC CCATGTGCAA    159900

AGAGCTGAGG GGTGGCCTGT AGAAGCTGTG GGCAACCTCC AGCCAACAGC CAGAAATAAC    159960

CAGGGCCAAA GTCCTGCAAC CATCAGGAAA GAAATTCTGC CTGCTACCTC AGTGAGCTTG    160020

GAAGTGGATT CTTCCTTAGC CTAGCCTCCA GATAAGAACA CAGCCTGACC AACACCTTAA    160080

CTGCAGCCTT ATCAGACCCT AAGCAGCAGG CCCAACTAAG CTGTGCCCAG ATTCCTGAAC    160140

CACAAAAATT GAGATAACAT ATCAGTGTTG TATTAAGGTT CTAAATTATG GTAATTTGTT    160200

TGTACTAATA GATAACTAAT ATAACCACCA AATCATTTCA GGTTAGGCCA GATTTTTGTA    160260

GCCAAATGAA TCATGATAAA ACTTTCCATT TTCAGGGGTT TTTTTGATTT TGTACTTACG    160320

GATACAAATT TGTGAAAGTA TAGTCAGCAC TGATTTAAAA AATCAAGGGA GCAGGAAACT    160380

CAGTAAATGG TTCTAACATT TTGGAATCTG TAAATTGGTT GTAACATTTG TCATCTGTGT    160440

TATCTAAGTC AAGTTCCTAA AATATGTGAA TGATAGGTTA TCATACTCAC CTACTTTTCT    160500

TGCATTGCTC TAAGAGTTGG CTGAGCTATT GATAATAAAC ACTATGATCA GATCTAATAC    160560

CATGATGTGC TATTATGATC ATGTGTCAGT CACAGGGCTA AGCACTTTGT ACATGTTGAT    160620

GCATTTAATT TTGATGATAA CTCAATGAAG TAGGAGCTGT TAATATTTTC ATTTTTCAGA    160680

GGGGGAAACC AAGTCACTTG GAGTAACATG GCTAATAAGT GAAAGAATAA GAATTTGAAA    160740

GGTTTGCACA GATAACCAGA ATGCAATGCT CATCACATTC ACTGAGCAGT GAATCATACT    160800

AACTAGAGAA AGTATGAAAG CTCTACTGAA ATTAACTAAA CAACCTCTCT GGCTGTGAGC    160860

CTGCCAAGGG ACAGGTGGTA AACTTGGTTA CTGCATAAGG CCCCTTCTAT CCACAGTATT    160920

CAGGAATTCT TTAGTGAACA TACCTTGATG ACTCCTTAAC ATTTTCTTCA CATCGAAGTA    160980

AAGCTTGGAA ACATTGCACA TAGTATGAAG TTCCAAGGAG ACAGCCTCTG ATGTTTCCAG    161040

CTTCACAGCC CAACTCCTAG AATAAGCAGA GGCGAGAGAT TTCTTCAGAG GTGCATTCCA    161100

TTCATTTCTA TATACGCACA CCCCTCCCCT CCTGCATTCA AACAGGACTT ACCTGCTCAA    161160

AGTGTCATTC ACATTCTATA AAGAAACAAA AAGAAAAGGT GAGCATGGGA ACATCGGTAT    161220
```

-134-

TTCATGGGGC TTGTCATGCA GGGCTATTCT TCTTTGCTTT ACCCGAAGAA GTAAAGAGAG 161280

TTACCCTAGT CTTAGTCTTA GATATTGATG GATACTCAAA CAAAGTAATT CCCACCAGTC 161340

TTAGGTATTG ATGGATACCC AGATGGAATA ATTCCTACCA GCTTCTGGGA GATTCAGCAT 161400

GGCAGGATGT TTATCAACAT TTGCATCTAT TCTCATCCTT GCTGAAGTCT GAGGGCCAGG 161460

AGCTTTGTCC ATGCTCCCTC TGTAAGGACT AGCTTTTGGT GATCGGATTT CCTTCACAGT 161520

GAGCCCAGAT TAGAGAACAC TTATCATAAA GGTCCTTAGT GGTGAATCTG TGCACAGCCC 161580

TGAGACTGGG CCACTGCCAC TAAGATGGTG GTAGCAGGTA TCACACAGTG GTAAAGCAAT 161640

CATGCTATAC ACTCAGCCTT ACAGTATAGT CACCAATCCT GTTAGTTAGA ACCAGAATTA 161700

ATGGCTCCAG ATGTTTATCT TCCTACAGAT AAAGCTGTAG ATTGTACCAT AACAGCTCTG 161760

GAGCAAGGGT TCTACAAGCA AATCAGGGAA AAGGTTATCA CTCATTTTGG CTGCCCCACT 161820

TCATCACCCA TCAGTCACCT AGTGGAGTAT TTCAGGAGAG AGTCAACAAC CAGGGTTCTC 161880

TGCACATGGG CCAAGGAGGC AAACAGTGGT AAATGTTATC CCGTGGTTTC ATTTGGCCAA 161940

GCTGTGTTCC CTCAGAAGTT TATTTTTCTA ATTGACATAA AGGTACCCTA TAAATTAGTG 162000

AAGGCCAGCC TGATGGCACT GATGTACATC TAAAAGAAAC ATTACTTTAT CTTCCCATGC 162060

TTCCTTACCA TTCTCCTTTA ATAGCACTAT AACATACCTT TTTTCCCTAC TCCAAGTACA 162120

CAGCCTCACC TGCAGCAATT TCTGGGCTGA GCCCTGACAT TTTTCCTCCA GTTCCAGGAT 162180

GTGGCTCTTG AGTTCATTGC TCTTCAGCCC CAGACCAGCC TCATAGTCCC TCAGTCTACT 162240

CAGAGTCTGT TGTTCTTCTT TCTCCAGCCT CCAGAGATAA GACTTCTCTT CCTCATGTAG 162300

GAAACACTGG AGATTCTTAA AGTCAGACCG GATTTTTTGT CTCTGAATCT GTACCTTCTC 162360

CTGGAGTCAA GAAAGTATGG TCAAAAGGTG GAAGTAAACC AAATGTCCAT CTATGGATGA 162420

ATGGATAAAC AAGAATGAAA GTCTGACACA CGCTACTACA TGACAAGCCT TGAAGACATT 162480

CAAGCAAAAT AAGCCAGAAA CAAAAGGGCA AATATTGTAA GACTTTGCTT ATACAAGGCA 162540

TCTGGAGTAG TTAAGTTCAT AGAGACAGAA AGTAAAATAG TGGTTACAAG GTGTTGGCAA 162600

GACCAGAAAA TGGACAGTTA TTGTTTAATG GGTAGTGAGT TTCAGTTTAG AAGATGAAAG 162660

ATGAAACTGA GTTGCAGTTT GGAGATGGGA ATGGTGATGG TTGCACAACA ATGTAACAAT 162720

GTAAAAGCAC TTAATTCTAC TGAACTATAT ACTTAAAAGT GGTTAAATGC TTAAGTGTTA 162780

TATATATTTT CACACAAACA CACACACACA CACAATCAGC CACTGGGACA TTATTTTCTC 162840

ATGAGTCACT GAAGCTGGAA GAATGTCCCC AGTTCCTGC TGCAGAGTCA TGTGTGGGAG 162900

-135-

```
GCAGGCACTC AGATGTGGAA GAGGTTGCCT CAGATTCCTT ATAGTCACCC AATTAATTTT    162960

CTTGTTCTTC AGCCAAGACA CAGGAGAAAG CTGGGTTAGG AGTGCTAGAT AATTTAATTG    163020

TGAAACTAGG GCCAAGTTCA AACACTTTAT CAGTTACAAG GATAAAAAGA GGTTTTTACT    163080

TATGATTTAA GAAGTTAGAT TTCTGAGTTG GAGCGATTTT CTTGAAGTAA AAGCTTATAA    163140

TGAACATCAC CCAGACTGGA TTTTAAGACA ACCAGGCTGG TAAGAGGGTC CATAATTCTT    163200

GGCAGGGGGA GCTTTGAGTG TGACAGGCAT TTATTATGGT TAACTGAGAA ATACTGTTCT    163260

ACTACCCTAG GGTCATCTTA AGCATTCCTA TGTGTAAGAC TGACAGAAAT CAAGTGAAAC    163320

TCTCATCTGA GGAGATGTAA AGTTGCAATT TCCATTAGTG CTGTCTAAAT TAATGCAGTG    163380

GGAGTGTGTA TTCAGGGCAA TTTGAATCTA TGTTCTTGGA TTGCAGTCTT CAAACTTGGC    163440

CCAAATAAAC TCTCTACTTA TCTTAAAAAA ATAAAAATTA AAAAATAAAA ATAAATTCAT    163500

ACAGTGTTTT GATGACTATG ATATAGAAGA AGGGTCTTTG ACTTAGGATG AGGTGGAATT    163560

TTTGTGTAGG AGACAGGTGC AGCTTTAACT CTTGTATAGA CGGGTTTTCA TATATGTTAG    163620

TTACAATCAA GGTCTTCCCC ATTGCCCAAG ATCCTAGAAA TGGGGGAAGT AAGAGTGTAC    163680

TCAGGAGCTC AAGAGCAACA TCCACAAACA AAGATCAGGG TAGAGGTTAG AGAGGACTCC    163740

TGAAAGAGAG AAAATTGGTA ATCAGCTTGT GGGATTTTAC TGCAAGCTAG TGAATTATAT    163800

AAATATAAAG ATTGGTGCAA AAGTAATTGT GGTTTTTGCC TTTACTTTAA TGGCAAAGAC    163860

CGCAATTACT TTTGCACAAA CCTAAATATT TCCATAAAAG AATGTGGCTC TGATAATGTG    163920

GAGGTTAGTC AGCCACGGAA ATAATCTGAA AGTTTGTAGT TGCAAGTGTG TAGGTTGTTG    163980

CATTACTTGT GATGTACTTA TAAATCAAGT ATAGGCCGGG TGCAGTGGCT CACGCCTGTA    164040

ATCCCAGCAC TTTGGGAGGC TGAGGTGGGT GAATCACGAG GTCAGGAGAT CAAGACCATC    164100

CTGGCCAACA TGGTGAAACC CCGTCTCTAC TAAAATACAA AAAATTAGCC AGGCATGGTA    164160

GCACATGCCT GTAATCCCAG CTACTCAAGA GGCTGAGGCA GGGGAATTGC TTGAACCCGG    164220

GAGGTGGACA TTGCAGTGAG CTGAGATCGC ACCACTACAC TCCAGCAAGA CTCCATCTCA    164280

AAAAATAGTA ATAATTTAAA AATAAATAAA TAAATAAAGT ATATTCTTT CATCAGCTTC     164340

ATGAGCTAGA GTAGTATGAA TTTCAATCTG GAGTGATCCT GTTTTCTAAG TGTTCACAAA    164400

GCTTGGTTTC TGTACCTGTA AAGTTGAGAG CCAGATGCTC CACTGTGGTA AAAGTGCCAG    164460

GGTAATGAGT TGAGGCCTGC AAACCAGGTT TATTTTGACG TATTTAAAGT TTGAGACCCA    164520

CTCGATGCTT TTTCTAGGTA AATAGTCATA CTAATTCTGC TTCTTCTGAC TGAAGTATCA    164580
```

-136-

```
GGAATCCCAG CCAACTACAG TTTAAAGATG GAAAGATTGG TGCTAAATAC TCATGGATGT    164640

AAACCTGGAA CCAGGGGCAT AAGTACAAAT AATGGTTTCT TCCTTGGGTT TCATTTTTTC    164700

AATCTGGTTT AGTGAGAATA AATCCTCATT GTGCTTTTCC TCAATCATCC CCTATGCCTA    164760

AGCTCTAGAA TGGAAAATAG CTTGAGATCA ATGAAGTCAG ATTCTTACTT TCCATTTAGT    164820

TATTCGCATT GCTGTGGACA GCTTCTGCTC CGTACATCTG TCTTCAAGTT GCTTCAGTTT    164880

TGTCACAGCT TTCTGGAGCT TTTCCTGAAG GAAAAATTTG ATAAGTGAAG CCTATTCAAT    164940

TTGACTCTTC ATTAGGGACC TAGGGGGAAT CCCAATCTTC TAAGATATAT TTGAATAATA    165000

GTGAATATTT ATAGAGTCCT CATTGTTTTT TGCTAGAGAG CATGCTAAAG GCTATATGTG    165060

CAGGAACATA CTGATCCCCT TGGCAACCCT GAATAGTTGG TAGGATTTTA AACTTCATTT    165120

CTGTGCTGTA GAAAATGAGA CTAAGAAAGG GGTAAAATAA CTTGCCCAAA GGGCTATGAC    165180

TGCCAGGTGG TGGAGCAACA ATTGCAATCT CATCTGCTGA CCCAGAGCCT GAGCTATGTC    165240

CACCACTAGA GTCCTGCCAG GAAAAAGTTG GATATAGAAC AAGGTAATCA TCATCTAAAA    165300

GATTTTGTAA AACAACATGC TGAACCAAGC AAAACCAATA CCAGTGTTTG GCACACATGA    165360

AATTTTGTGT CTTATGAGTC AGGAAAAATC AGGATGCCAG CTGGTTATTA GAAACAGTTC    165420

ATGGAAGAGG GGAATTCTGG TATCTTTTGA ACAATGGTAT CATGAATCCA ATTTAAAATG    165480

ATTTAGTATT CATGTCAAGC TTTTAGCTTA TTCTTCAAAA CAGTTTCTCA TATTTCTATT    165540

GAAAGTGATT TGAAGCTGAC CCAAATTGCT AATTGTAGTC AATGCTGAAA GAATTGTCTC    165600

CTGTCCTCTG TAAACCCAAC AAGTATACTC ATTCATTCTC GAGTGTTCTC AGGAAAAGGT    165660

TCTATGTAAC TGTTTTAGCA AAAGATGACA TTGTCCTTAC TATATGCCAA GTGCTATTCT    165720

ATGCATTCTA TATTTTAATG TCCTCAAAGC TTATAACCAC CTCCTGTGTA TGTGTTTTAG    165780

GGAGGGAGGA CACTGCTATT ATCCCCATTT ACAGATGGAG AAACCAAGGT GTGAAGACAT    165840

TAAGTAACGT GCCCAAAATT GCCCATCTAG TAAGTGACAA AACTCAATTT CAACATAAGC    165900

TGGTTCCTTT TCTTACTACT TGGTGGAAAA GTAATTCAAA TGGGAATATG ATCATCGCAG    165960

TTATTAGCTG CTCCATGGAG TTTAAGGAAG AGCTGCCATG AGCTGAGTGG TGGTCATGAT    166020

TGACATGTCC TTAGAAGGAC TTAGAGCCTT CATACAAGAC CACCTCTGCC TCATGGAGGA    166080

CAGAATAAGG AGCCTGACAC TGGAGACAAC ATTTTCCTCA AATTTAGGCA GGACAGAGAA    166140

GGAAAAAGGA CATCAGGACT ATGCCCATTC CTCCATGCTG CCAACAGCAA AGTCCCACCT    166200

TCCTTAATAT GCTTTCTGGC AAGAAATCTG GATGGTACAC AAAACCTCTC CCTCTGCTTC    166260
```

-137-

```
ACCTTCCACA ACCAAGCATT TCCAAATCTT TGACTCTTCT TCCTGAATCG TGCTTAAAAT   166320

CTGCCCTCTC CTCCCTTTCT TATACGGATA GTTTGAATTT TACTCCTTGA TATTCCTTTT   166380

ATCATAGACA TGCCACAGTA GCTGGGCACA GTGGTTCATG CCTCTAATCC CAGCATTTTG   166440

GGAGGCTGAG ATGGGAGGGA GACCAGGGGT TTGAGGCCAG TATAAGCAAG AAAGGCAGAC   166500

CATGTCTCTA CAAAAAATAA AAAAATTATC CAGGTATGGT GGGGCATCCC TGTAGTCCTA   166560

GCTACTTGGG AGGCTGAGGT GGGAGGATTG CTTGAGCCCC AGAAGGTTGA GGCTGCAGTG   166620

AGCCGAGATT GCACCATTGT ACTCCAACCT GGGATACAGA GCAAGACCCT ACCTCAGGAA   166680

AAAAAAAAAA AAAAAAAAAA AAAAGTAGAG GTACCAGAGT GATATTTCA ATGTCACTGA   166740

CCCTTCATTC CCCAAATGAA AATCCCCCAA TAGGTGTTCA ATTTTTACGT GTCCTTCAGG   166800

AGTTACTTCT AAGATGAACC ACTCTCTACC CTAAATGTCC CTCCCCACCA CCAAAACCAG   166860

GGACCTCCAG GCAGACATTT TTGATGGTTT GTTTTCTTTA CTAGACTGTA GATACCTAAA   166920

AGGTGATGGG TCTTTCTTCC CTGTTTTCAG GCCCTACTGC ATGGCTTTAC ATATTGTGGT   166980

TTTTCAAATG ATATTCATGG TGTGAAACAA GAAAAAATGC GGGTGTTTGG TTTGAGAACA   167040

ACCTGTTCTA AAGCAAAAAG AAATTCATCA TAACACAAAT GGATAGAGAT AAGAGTCCAA   167100

CCATCCCATT GAAGGTCAGG ATGGACAGTC TAGATAATTG AGCAAGAAAT CATCATAAAC   167160

TATTTTTCAG AAGAATGACA TGATGAAAGC TGTATTTCCA AGTCATAATG TTAGGTTTCA   167220

AGTTAAATCA TCTCAGCTCC TGGGGAGCAG GATAAGACTT GGTACTTACC AAAGCTCCCG   167280

GGCCCACACA CTCACCTTGT AGCCCTGGCA TACGTCTTCA ACAAGAGCTG TGGTGTGCCC   167340

TTTGTGCTGT GGTGCCCGCT CACAGCGCCA GCAGATGAGC TGCCCCTCGT CTTCGCAGAA   167400

CAGGTGGAAC TGCTCTCCGT GTTCCTCACA TGACATTTCT TGATCCGTCT CTTTGAGGGC   167460

TTCAATGAGG CTTCCCAGCT GCTTGTTGGG TCGGAGGCTA TCCATATGAA ATGGAGCCCG   167520

ACACTGGGGA CAGCAGAATG TCTCCTGCCT CAGTTGCTTT TGGCTTGGGT TTTTAAAGAA   167580

GTCTGTTATA CACAAGTGGC AGTAGCTGTG TCCACAGTTG ATGCTTACTG GGTTCGTCAT   167640

CAGGCTCAGG CAGATGGAGC AGGTGGCTTC CTCCATCATC TTCTTGGTGC TGGTGGTTGA   167700

GGCCATAGCT TTTATTGAAA AGCTCCAATA TTGGCTCTAG AGATGGAGAT GAAGCAGCCA   167760

GAATTTTCCA CCGTGATGAA AATACACCTC ACCTGCACCT CTATGTGATG AGCTGGCTGC   167820

AACTGACTTC CATAGGTCTT GAAGGTTTTC CTTCCAACCC CTATTATCTC ATTTGTATT   167880

GAAGAAAAGA GGACCTAAAA GGAAGAAGTT GAGGCTGAGG TTGTTTGGGC CACGTTTGAG   167940
```

-138-

```
AACTGCAACC CAAGTGCAGA GTTTCAAGTT GCCCTCATTA GCAAGCAGTT ACAAGTGGTT   168000

GTTTAGAGGA AAAAAAGCAG TTTTAAAGCA GTTTTAAAGT TGTTTGCCAA GAATTTACAT   168060

TAAAATAGCA TAAGCTTTTG ACTGGCTATA CATTGTTCTT TGTATTACAA ATCTCGGGAA   168120

TATGTAGGTA ATAGATGAGG CAGCCAGTCA GGAACAAAAT GCTTTTAAAC ATGGGGTCTT   168180

AACTGAAGAC CTATACTCCT GCCTCACTTG TCCTGATAAA TTTTGCATAC CTCACATAGC   168240

TCAGACTGCT CTAAATTATT TCATTATTTT TCTTTTCTCA GTCTTCTAAC TTTTTTTTTT   168300

TTTTTTAATG AGACGGAGTC TCACTCTGTC ACCCAGGCTG GAGTGCAGTG ACGCTATCTC   168360

GGCTCACTGC ACCTCCGCCT CCCGGGTTCA AGCGATTCTC CTGCCTCAGC CTCCCGAGTA   168420

GTAGCTGGGT CTACAGGTGT GCACCACTAC GCCCAGCTAA TTTTTGTATT TTTAGTAGAG   168480

ATGGGGTTTC ACCATGTTGG TTGGCTCGAT CTCTTGACCT TGTGATCCAC CCGCCTCAGC   168540

CTCCCAAAGT GCCAGGATTA CAGGCATGAG CCACCGTGCC CAGCCTCTTT TTCTTTTCTT   168600

ATAAGACAAG TTCTCGCTCT CTTGCCCAGG CTGTAGTGGA GGGCAGTGGC ATGACCACAG   168660

CTCACTGCAG CCTCGACCTC CTGGGTTTAA GCAATCCTCC TGCCTCACCC TGGCAGAGTG   168720

GCTGGGACTA CAGGTATGTG CCACCATGTC CAGCTAAAGT CTTCTCTCCA GAAAGAAGAA   168780

ATGCATTGGA ATTTAGAGGA TACACAAACA TCTAGCTGTA TAGCTAATAC AGTAGCCACT   168840

ATCATGAGTA GGAATTTAAA TTTAACTTAA TAAAAATTAA AATGAAAAAA TTCAGTTTTT   168900

CTGTTCCAGT TGCCACATTT TGATTGCTTA ATAGTTGCAT GTGACTAGTG CTACATAAC   168960

AGCCTCAATA TACAACATTC TGTTATCACA GAAAGTTACC TTGGACCAAG TGCTGGGAGA   169020

AGCAATGCAG GCTTCCTCAC AAAAGCTGTA AAAGAGAGAA CTCAGGGAGT GTGAAACTCT   169080

TTCCTATTCT AGTTAACTTC AAGAATAATT GTTACCAGGC CAGCACGGTG GCTCACGCCT   169140

GTAATCCTAG CACTTTGGGA AGCCGAGGCG GGCAGATCAC CTGAGGTCAG GAGTTTGAGA   169200

CCAGCCTGAC CAACATGGCA AAACCTCATC TCTACTAAAA ATACAAAAAG TTAGCTAGAT   169260

GTGGTGGTGC ACACCTGTAA TCCCAGCTGC TCAGGAGGCT GAGGAAGGAG AATGACTTGA   169320

GCTCCGGAGG GGGAGGTTGC AGTGAGCCCA GATTACACCA CTGCACTCCA GCCTGGGTGA   169380

AAGAGCGAGA ATCTGTCTTA AAAAAAAAAA AAGAATAAT TGGTACCAGA ATTACTCTTT   169440

GTAATTAGTA GTAACACTTA TGCAATTGGG TGATCTGTGA CAGATTCCAT TGAAGGAGTA   169500

TGGGGAGCTT CACCCCAATA TATGACTCCC TGGTATAATG AGTATTTTGA ATTAAAGGCC   169560

CTTAGAGATC AGCAGATGCT GGAAGAGACT TTTCCCCTAT CTACATAAAG ACCAGTCACA   169620
```

-139-

```
CTAGACAAGA AGAACAATTG TTTTTCCTTC CAACCCCTAT TATCTCATTT TGTACTGAAG    169680

AAAAGAGGAC TAAGAATGTA ACCAGACCTA ATCAGACACT TTCACAAAAT AATGTCTGTC    169740

TCTCAGGCTC ATTCATTTTC CAAAGAGAAC CATTTACAAG TTAAACTCTG TTCCTCCATT    169800

CATTCATCCT CCCAAATATT CATTTATTCT CCCTAGTAAT CATTTACTGC CCCTCAAAGA    169860

ATTACCTATA TTCTCCTGAT ATCACCCTTC CCCTCTGAAA TAAATATGTA TACATGTATA    169920

AACGTTATAC ATACATATTT ATACAGTATA CATACATATT TATACATACA TACATATGCA    169980

TACATATTTA TATTTATGTA TTTATACATA AGTATTTATA AATAAGGCTA TATAAGTATC    170040

TACCCCCATT GGCAGAGGGG GTAATCACTC TGTGATTCTA GCCCATGTAC TTGTTAATAA    170100

ATTTGTATGC CTTTTCTCCA ATTAGCCTGC CTTTTGTGAG TCGATTTTTC AGTGAACTTC    170160

AGAAGGCAAA GGGGAAGTGT TCCCTTGGCT CCTACACCAT CATGACAATA AAATTTGACT    170220

CCACCTCGAC CCCCCCCATC CCCCACAAAG AACAACAACC AACACTGGTT AATAAGGTCG    170280

GTTGTTTTTT GTTTGTGTTT TTGTTGTTGT TGTTTTTGCT TTCAGGAGCA GAGGTATAAT    170340

AGGCAAAAGA AAGAGAAAGG AGAATAGTGA ATACCTCTTC TGCAGAGAGG GGTGCCTAAG    170400

TGGGACTTCC CTGGCTAATA ACGTCTTGCT AGAGACCCAA CCAGGAGGAT AATGGAAGCA    170460

ATCAAGGCAA CCAGAACAAC CAGAAGAACC GGTTTATCCT TTTTGTGCCC TCTCCCTAAA    170520

CTGAGGGAAT AAGAATTGGA AAGAAGGCTG CAGAGCAGAG GGTTTGCTCC TGAGGAGCAG    170580

TTATTTCTAT GGGATCAGAG CTCCTGCAGA ACTGGGGAGT TTACTTTTAC TATCTCTTCT    170640

CCAGGACAGG ACCTATCTCA AGAGACATGT TCAGAGTGAT TGCAACATAA AGAGTTTGCA    170700

GACCCAAGGA GGTAGGGAAG GCAGAAAGAA GATGGGGGAG GCCAGGGATA GGCAACAGAG    170760

GAGTGACCAG GAGCGAAAAA GCCTGCCTCT TCTGAGAACC TAGCTGGGCT CTCCCTGTAC    170820

CCCCGATCCC TCCCCCCCGC CCGCCCCCAC ACCCCTACTC CTGGGAGCTC CTCTAGGACA    170880

GGGGCAGAGT CAGGAGGAAG TTTGAAGAGT GCCTAGAATA AAAAACAGTA ATTTAACTAC    170940

AATTACCGGG TAGGCTGTTT TCCTCTCACA ATTTGATCAG TCTCTTGAAG CCACACAGAA    171000

TTTCTTCTGA AGACGTGTAT TCCTTGGCAG GCTATTTCCT CCAGTGATAC ACCAGGCCCC    171060

TCTCTGCTGG GGTCACTGCT CTTCTGGGGA GATGGGGCTC CCCTCCTTCC AAGGCTCCAG    171120

GGTTCCTGTC CTGGGCCCCA CTCATCTAAG TTCTGAATCT TCTGAGATTT GGTGTAAAGT    171180

CTGGTGAAAG AAAGAGCAGG AAAGAGGTGA GAGCTGTAAA ACAAAGAAAG TCCTGACCAT    171240

TTTCAGAGTT GGAGGGGCCC TGCTGTCACG AAATATATTC CCCACCCCAC TTGCCATCAG    171300
```

```
TACACACTCA CATATCCACT GAGAAAACCT TAGCCTGGAC CTTTTCCGTA ACCTTCACTG   171360

CTCAGACACT TACATATTCG CTGCTAGTCC CCTCTGTTGC TGCCACTTCC TGGGTCAGGA   171420

AGTTAACTCA GACCGGATTA AACTGAGAAG TGAAACTACT GTGGGAGGCG GGGCTCATAA   171480

GATTTAGGAG AAAACTAGTG ACGTTGTTCA TATCATTTGC ACTCCGCCTC TCCGGTAAAG   171540

GAGGGGGAAA CGTAGGAAGA AAATATCCTT CTTTTACAGC AATAAAAAGA AGGAACCAAT   171600

TAATAACCCT GTAAACTATC ATGTGACCCC AACACAGAGT ATCTAAAAAC AGGAAGCCTG   171660

CAGAGGTTCA GTTCACAGAC TCTGATTTGA GATCTTTCTA CTTTTGCCAC CAACTCCCTT   171720

GGGAGTCCTT AAGCCTTCCT AGCTGATGTT ACTTCTTTTG CTATTTATGG GTTGCTTGTG   171780

GTTCTATAAC TGCTCTGAAG GGTGTGGTGG AAAAAGGGGT GGTAACAGCA GTAGGACTCA   171840

TTGGCATCAC AAAATTCATC TGAGTCAGCT TTCTATTCTT CTCTGTCCCG TTCTGTGTCT   171900

TGTTTTTCTC CTTGCTGTCC TTCTGCAGGA CTCAGATCTT CTTCAATAGC GAGGGTCAGC   171960

CAGGATAGAA AATGGGAGTC ACTAGTGGCC CAGCAGTGAG TGCCCCCAGC TTAGAGCTGT   172020

GTGGGATCCC TGGGACCATC ACTCTGCTTT GTGCTTTGTG GAGAAAAGGC TGTGGGGTCC   172080

AGGGTCAAGT CCTTAATGAC TTAGCTCCAG CTTCTCCACT TCAAAATGAA AGGAAAAGTA   172140

CTATCACCAC CCGTTAGAAT TATTATTTCA TGGGGAAAAA AGATGGATTA CTATCTCACA   172200

ATAAGAGCTT GTCACATTTA TAAGTCTCAG GTGTAAGAGG CATTTATGAT AACAACATAA   172260

TAAATGCTGG CTTAAGTAGA TGCAGTGGTC CAAGGGAACC AGTAAGGGGA GCTCAGGACA   172320

CAGGTGGGAG GAGAAATTAA ACTTGAATTC TGGGAGCCAC TGGCCTGTCT GGGCCCCTGG   172380

CCTGCCTGCT GACCCTGATA GCCAATGGAA CATGGAGTTT GGCCCAGCTG CAATCCCTCT   172440

GGTCCAACTA CTCAAAATAA AGGCAAGATT GGGAAACACG TTCCTTTCTT CCTATACCAA   172500

GCAGAAGACT CTTCAGCACT GCACCCTCCT GGGTGCTCAC AGAGCCTTCT GTTGTTTTGC   172560

CACCTACGAT TCATCATGCC CTGGCATGAT GGTTGCAGAC CCCATGCATA GCATGGGACA   172620

TTCTACTCCT GAGGCAACCA GCACACAGAG AGAGGAGAAA GAATGAGCCC CTGAATCCTT   172680

GGTCCCACGA TGAGTCCTTG CAGATATCTA CAACTTTCAT TGTTGTGGAT GTGACTCTGT   172740

ACCCAGGCAT GGCTCATTCC AGATCTGTCC TATTGTCAGA GGTGTTCAAA CCAGAATGAC   172800

TCCATTTTGA ATGGGGGCTA GGTAAAATAA GGCTGAGACC TACTGGGCTG CATTCCCAGG   172860

AAGTTAGGCA TTGTAAGTCA CAGGATGAAA TAGGCAGTTG GCACAAGACA CAGGTCATAA   172920

AGATCTTGCT GATAAAACAG GTTGCAGTAA AGAAGCTGAC CAAAACCCAC CAAAATCAAG   172980
```

ATGGCAACAA GAGTGGCCTC TAGTCATTCT CATTGCTCAT TATACACGAA TTATAATGTG 173040

TTAGCAAGTT AGAAGGCATT CCCACCAGCT CCATAGTGGT TTATAAATAC CATGGCGATG 173100

TCAGGAAGCT ACCCTATATA GTCTAAAAAG GGGAGGAACG CTTGGTTCTG GGAATTGCCC 173160

ACATCTTTCC CAGAAAACAT ATGAATAATC CACTCCTTGT TTAGTACATA ATCAAGAAAT 173220

AACTGTAAGT ATCTGTATTA GTCCATTTTC ACACTGCTGA TCCAGACATA CCTGAGACTG 173280

AGTAATTTAT ACCAGGAAAA AATGTTTCAT GCTCTTACAG TCCCACGTGT CTGGGGAGAC 173340

CTCACAACCA CAGCAGAAGG CAAGGAGGAG CAAGTCAGGT CTTACATGGA TGGCAGCAGG 173400

CAAAGAGCTT GTGCAGGGAA ATTCCTTTCT ATAAAACCAT CAGGTCTCAT GAAACTTATT 173460

GACTATCATG AGAACAGCAG TATAAATTAC TCAGGGAAAG ACCTGCCCCC ATGATTCAAT 173520

TACCTCCCAC CAGGTCCCTC CCACAATATG TGGGAATTTA AGATGAGAGT TAGGTGGGGA 173580

CACAGCCAAA CCATATCAGT ATCCTTAGTC CAGAAGCTGA TGCTCTGCCT GTAGAGTAGC 173640

CGTTCTTTTA TTCCTTTACT TTCTTGCTTT CACTTTACTG TGTAGACTTG CCCCAAATTC 173700

TTTCTCACAC GAGATCTAAG AACCTTCTCT TAGGGTCTGG GTTGGGACCC CCTTTCTGGT 173760

AACACTATCA AAGGATCAGG AAAAGGAAGC TAGTGAATGC TAAAAAGGAA ACAAACTACC 173820

ATTACCAATA ATAACAGCAA GACAAAAGCA AAACGGATTG TGACAGCTGT CCCATCTCAC 173880

ACCTGTTTCC CATTGCAGGA AGGAGGGGCT GGTTCATGCA CAGAGTGGCC AATATTAGAA 173940

GCAGAGATGG GGTGCAGATG AGACTTCAGG AATATGTTGA CAAAGGCAGG CCTAGGGAGA 174000

AATCAACCTG AACTATCCCC AAGGAGGAAT GCATTATCTC TAATATGTAA AGTTAGGCTT 174060

GATCCTGTGA TTATGGGATA TAGGAGTCCA AAGACTCACA ATGGGAAGTA GGTCACTAGA 174120

GTCTCCTTCA GAAGCTCTGT ACTGTGTGTT CCCACTGTGG GCAAGAGTCA GCACTCAGCT 174180

ATTCCTAGAA TGCCTTTCCT CAACTCCTTC AGATTTGCC TCTCAACTAA CCCTATCCTG 174240

ACCACTTGTT AGCAAGTGTA CCCCTCTCTC CCTCCCAAAC ATTTTCAAAT CTATTTTGTT 174300

CCCATGGCAC TTATCACTGA ATATTTACT AATTTATTTT GTTAGTGTT TGCTTCCCTC 174360

ATGAGAATGC AAAGGGATGG ATTTTTTTCA ATATTGTTCA CTGATGAATC CCAGTAACTA 174420

GAATATTTCT AAGCATAGTG ATGTGCATTA AATCAAAGAG TAACTTTCTG AATTGCACTA 174480

AACACACATC ACAAGAGGTG TGTGCACATA TGTGCATGAT GCACGTAGTG TGGTGTGGGT 174540

GTTGTGTGGG GTATGTGGTA CTGTGTGTGC TGTGTGTGGT ATGTGATACA TAGTTTGTGT 174600

TAGTGTGATG CATGTGATGT GGTATGTGTG TGCGTGTCCA TACATATTAG GGGTGGCGGG 174660

GATGTTAATA TGTCAAATGG TACTAGAAAG TATCAGAACT CATGGTGCTT ACTGGTTTCC 174720

CAGAGAGCTG CTTCTCTCCC ACCTGTAGGA TATACTGATG GTTTGGACAG AGAAGAAATA 174780

AAAAGAAGGC TGTGACCTAC TGGGCTGAGG AAATAAAAAC GAAAGTAAAA GAAGAGCTGG 174840

GAAAAGAGAG TGGAGGGGCC AAGGGAAATT TCCCCTTTGG CTTCTGGGGA AACTTTGCTG 174900

AAAAATCAAC TCACAAATTT ATTAACATGT ACACAGGGAG AACCATAGAA TGATTATCCA 174960

CTTCCCAAGA GGGCTTAAAA GCTTATATAT TATCCTGGCA AAACAGATTA TGGGAGGGGA 175020

AGAAGAGAAA CTCTGTTGAT GGGATTACTG TTGCGGATTT TTGCTCCTTC GCTCAGCTAG 175080

GTCCGGGTTT TTGTCTCACA GCCAGGAAGA ATTAGGCATG CAGCCATCAA AGAATGAGTG 175140

GAGTAGAATT TATTAAGTGA AAGGAAAGCT CTCAGCAAAG ACAAGGGTCC TGAAAGCAGA 175200

TTTCTGGTTT GCTCTTCACA GTTGAATACT AGGGCTTAAG ACTCAAATTC CTGACAACTC 175260

CACCCTGTCC TACCAGTGCA TGCAGGCCTT TAGACTGAGC TACTCCATAT TGATTAATTT 175320

CCTGAACTGT GCATGTGTTA AGGAAAGGAA TCATCCACTG CAGGCATGTT TAGGCAAGCC 175380

CCCTGTGCAA GTTCCCTTAT CTGCACAAAA CATCCGGTGT AAGCACTTGT GGGGCAGGTC 175440

AGAGGTTCTC TGGGTACCAT TCCCTTACTG TCTGCCTAAA GCAAGCTGGC CAACTCCTTT 175500

CATTACTAGG GAGAGTAAGT AGATCAGGGA ACAGAGATTA ACTTGAACAT TATCTTGTGA 175560

AAGTCCGTTC GGGCATGGTT ACATTCTTGG TCTTACAGGA AGGGTAAATA AAAATAATTG 175620

CTCTTTTTGG TGGGTCTGGA TCTTAGGTAG ATAAAGAAAC TTTAATTCCA CGATGTGTTT 175680

TGGTAGGGAT AGTTGGTGGC AGGGATGTCA GAGAGACTTT GAGGCTTCTT CAGTTCAATA 175740

TGACCAAGGG CCATATATTA GGGTATCAAT TTCTGAGCCC CAACAAGAGC TTAGGAGAGA 175800

TGTGATAGCA TCACAGTGTG AAAGCAATTT TTTGTTTGTT TTTAGAGACA GGCTCTTGCA 175860

CTGTCACCCT GGCTGAAGTA CAATGGTACG ATCACAGCTC ACTGTAATCT TGAACTGGGT 175920

TCAAATGATC CTCCCATCTA AGCATTTCAA AGTGTTGGGA TTACAGGCAT GAGCCACGGT 175980

ACCCAGCCTG AAACTGCACC CACTTTCTGA TAAACTTTTC AAATGACTAA AGGGGAGAGA 176040

GTAAGCACTA CTCAGAGGTA GGAAGAAAGG ACACAGGATT ATAGGATTAA AACAACAACC 176100

ACCAAAAAAA ACCAGACCGG TGTGGTGGCT CACACCTGTA ATCACAGCAC TTGGGGAGGC 176160

TGAGGTGGGG GGAGTCACTG GAGGCCAGGA GTTCGAGACG AGCCTGGCCA ACATAGCAAG 176220

ATGCTGTCTC TATTAAAAAA AAAAAATACC TGCCTTGAGC TAATCAGAAT CATGGACCCT 176280

GACAAAGGAT GTCCCAAAGT AAGTCTTAGC ATTTTTTTTT TTTTTTGAG ACAGTCTCGC 176340

```
TGTGTTGCCC AGGCTGAAGT TCAGTGGCGT GATCTCGGCT CACTGCAACA GCTGCCTCCC    176400

AGGCTCAAGC AATTCTCCCT GCCTTCAGCC TCCCAAGTAG CTGGGATTAC AGATGCCCAC    176460

CACCACGCCT GGCTAATTTT TGTTTTTTTT AATAGAGATG GGGTTTTGCC ATGTTAACCA    176520

GGCAGGTCTT GAACTCCTGA CCTCAAGTGA TCTGCCCACC TTGGCCCCTC CATAGTGCTG    176580

GGATTACAGG CGTGAGTCAC TGCACCCGGC AAAGTCTTAG CATTCTTTAC AAACAGTTTG    176640

TACCCGTATC TCTAAAGGG AGTAGTGAAT TTCACCCCAA AATGTGGCTT CCTGATATAA    176700

TGAGTATTTT GAATGAAAAA CTCTTAGAGA TCAACAGACA CTAAAGAGAC TTTTCCCTAG    176760

GTACATAAAA ATAGGATGGC CCCACCAGCG AGAACAATTG TTCTTTTCTC CCTCTCTGTT    176820

ATCTCATTGT GCATTATAGG AAAGACCAAG AATGTAACCA CACCTGAACA GACCCTTTTA    176880

TAAGATAATC AGTCTCTAAG CATCATTTAA ATTCCAAGGA GAACTATTTA CAAATTTATC    176940

TGTTCTTTGA TCCAATTAGT CTCTCCTGGT AGTTACATAT TGCCCCTCAA CAGAATTCCT    177000

CTTCTTCTGT TTCCCATAAC CTATTTTGCA AGGATCAAGC CCCTGTTATT TCTTCAACTT    177060

CAAGGTGGCA TATAAGCTTC TAAATTCCAC TGGGATATTG GTACTATGTG CATGAGGAGA    177120

ACCACAGAGT AATTAAATTG TAAAGCCTTT TATCTTATGA ATCTGCCTTT TTTTGTGTTC    177180

ATTTTTCAGC AAAACTTCCA AGGGCAAAGG TATAAAACAA AAATAAAATT CTAAAGCCCC    177240

CCAACCATCT GAATAGACTT TCTCTTCAGT CAGGCTTCTT AAAATGTAAC CTGAAAGACT    177300

GGCTCAGGCC ATTAAGGGAA GTGGGGGTTG AACATGCCTC ATTATTCCTC TCTGGCATTA    177360

ACATCAACAC AGCTTTTAAG TCTGATAAGA AACATTTTAC AACCTATTCT CTCTGAAGCC    177420

TGCTAGCTAA AAACTTCATC CCATAGTACA ACTTTGGTCT TCACAACCTG TTATCACAAC    177480

CTAGTGCTCC TTTCTATTAA TCCCAAATCT TTATACAAAC TCAACCAATT GTCATCACCT    177540

CCACCCCACT CCTCCGCTGC TTCCAGTTGT CCCGCCTCTC TGGACCAAAC CAGTGTACAT    177600

TTCTTAAACG TATTTGATTG ATGTCCCATG CCTCCCTAAA ATGTATAAAG CCAAGGTGCA    177660

TCCCAACCAC CTTGAGCGCT TGTTCTCAGG ACCTCCTGAG GGCTGTGTCA TGGGCCATGG    177720

TCACTCAAAT TTGGCTCAGA ATAAATCTCT TCAAATGTTT TACAGAGTTT GGCTCTTGTC    177780

ATGACACAGA TGACTGCTTC ACTGAAGCCT GCTCTGGAAG TGAGTGGGGG TTTTGCAAGG    177840

ATAATTTTCC CCGGATAGCC CCAGAAGCAG CTAGTAATAA TACACTTAAA GGTAGCTAAA    177900

ATGCATTGAA CACTTGTTTT GTGCCAGACC TATGTCAACA TTTGCTTTGT GCCAGGCTTA    177960

TGCCAGTACT CCTGATTTGT TAATACATTC TAAATAAAAA TTCTGGAGTT TCAAATATAA    178020
```

-144-

```
TAACTGAAAA ACAGAAAATA AATAAAAATA TATAATAACT GAAATAAAAA TTTACTAAGG   178080

CTGGGGATGG TGGCTCACTC ACACCTGTAA TCCTGTTACC GGAAAGGGGT CCGTCCAGAT   178140

CCAGACCCCA AGAGAGGGTT CTTGGATCTC ACACAAGAAA GAATTCGGGC GAGTCTGTAA   178200

AGTGAAAGCA AGTTTATTAA GAAAGTAGAG GAATAAAAGA ACGGCTACTC CATAGGCAGA   178260

GCAGCTCTGA GGGCTGCTGG TCGCTCATTT TTATGGTTAT TTCTTGATTA TGTGCTAAAC   178320

AAGGGGTGGA TAATTCATGC CTCCATTTTT TAGACCATAT AAAGTAACTT CCTGACGTTG   178380

CCATGGCATT CGTAAACTGT CGTGGCGCTG GTATGAGCAT AGCAGTGAGG ACGACCAGAG   178440

GTCACTCTCA TCGCCATCTT GGATTTGGTG GGGAGCAGTG AGGATGACCA GAGGTCACTC   178500

TCATCGCCAT CTTGGATTTG GTGGGGTTTA GCCAGCTTCT TTACTTTTTT CTTTTTTTTT   178560

TTTGCCCAGG CTGGAGTGCA GTGGCACGAT CTCAGCTCAC TGAAACCTCC AATTTCTGAG   178620

TTCAAGCGAT TCTCGTGCCT CAGCCTCCCA AGTAGCTGGG ATTACAGGCA TGTGCCACCA   178680

CACCCAGCTA ATTTTTTATA TTTTTAATAG AGACCGGGTT TCGCCATGTT GCCTACGCTG   178740

ATCTCCAACT CCTGCGCTCA AGCCATCCAG CCACCTTAGC CTCCCAAAGT GCTGGGCTTA   178800

TAGGTGTGAG CCACCCCACC TGGCCTAGCC GGCTTCTTTA CTGCAACCTG TTTTATCAGC   178860

AAGGTCTTTA TGACCTGTAT TTTGTGCCCA CTGCCTGCCT CATCCTGTGG CTTACAATGC   178920

CTAACTTACA GGGAATGCAG CCCAGCAGGA CTCAGCCTTA TTTCACCCAG CTCCTATTCA   178980

AGATGGAGTC TTTCTTGTTC AAATACCTCT GACAAGCCCA ACACTTTGGG AGGATGACAC   179040

AGGAGGATTG CTTTAGCCTA GGAGCTCAAG ACCAGCCTGG GCAACACAGT GAGACCCCAT   179100

CTCTAAAAAA AAAAATACAA AAAAATTAGC CAGGCATGAT GGTGTGTGCC TGTAGTCCCT   179160

GCTACTCAGG AGGCTGAAGT GGGAAGATGG CTTCAGCCCA GGAATTCAAG GCTGCATTGT   179220

CAGAGGCATT TGAACCAGAA TGACTCTATC TTGAATAGGC GCTGGATAAA ATAAGGCTGA   179280

CACCTGCTAG GCTGCATTTC CAGTATGTTA GGCATTCTTA GTCACAGGAT GAGATAGGAA   179340

GTCAGCACAA GGTACACATC ACAAAGACCT TGCTGATAAA ATAGGTTGTG GTAAAGAAGT   179400

TGGCCAAAAC CCATCAAAAC CAACATGGCC ACCAAAGGGA CCTCTGGTTG TCTTCACTGC   179460

TCATTATATG TTAATTATAA TGTATTAACA TGCTAAAAGA CACTCCTACC AGCATCATGA   179520

CAGCTTACAA ATACTGCGGC AATATCTGGA CTTTACCTTA TATGGTCTAA AAGGTGGAGG   179580

AACCCTCAAT TTTGGGAATT GTCCACCCCT TTTTTGGAAT GCTCATGAAT AATCCACCCC   179640

TTGTTTAGCA CATAATCCAG AAATAACTAT AAGTATGCTT ATTTGAGCAG ACCACGCTGC   179700
```

-145-

```
TGTTCTGCCT ACAGAGTAGC CATTCTTTTA TTTCCTTACT TTCTTAATAA ACCTGCTTTC  179760

ACTTTACTGT ATGGACTTGC CCTAAATTCT TTCTTGTGTG AGATCCAAGA ACCCTCTCTT  179820

GGGGTCTGGA TCAAGACCCC TTTCTGGTAA CATCTTTCTG GTGACCACGA AGGGACAATA  179880

CTGAGGAGAC TCTGAAGCCA AAGGAAACAG ACTACAGCAC CAACTGGCTG ACTTTGGGTA  179940

AGTGGTGGAG TCCCCGGGTA AAGGATAGGA TTGGGTTAGA GGTGCAACTT AGGGGAGATA  180000

GGGTCTCTCC TAAGACAGAG AGGGTTTCAG TCCGCTCTTA ATAAAGGGCA AGAATGCTTG  180060

ACCGAACTTG GGTTTGAGAC CCAACTTAGG AAGGCTACAG TCCTTAAGAT TTAAGGGGTT  180120

AGAGGCCCCT CTCAGTAAAG TCTCTCTTGG TTAAAAACGG ATTTAGCATT AGGGGATGTT  180180

AACTGCTATT CTGTTTGTAT TAATCTTCCC TGTGCTCTTT GCTGACAGCT ATGGGTGACA  180240

GGATTAGGCA TGTACAGGAT CACGGGACAT TGGGAACTTT TCTTCTCTCC AAAAGGGGAA  180300

GCTTGACAGC TGATAGGACT GTTGGAAAAG ATCCCTTTGC TATGACAAGC AGCCGCCTGA  180360

ACTTTTGATT CAGTGTTGCT GCAATGGGTG GGTCTTTCTC TGGCCTCTGT GAACTCCTCA  180420

CCTTCCCCAT CTCACCACAG GCAATGCTTT TCTCCCTTTC TCTCTTTTCT CTTTTCTGTC  180480

TTTTCTGTTA CTTGAGACAA CCATCTTGCC CAGAGACCAT ATGTTGAAAC TCCTGGTCAG  180540

AAGTTTGATT AAAGATGAAA GGGCCTATCT GGGGGCAAGT TTGAGCCTTC CCAGTTAGAT  180600

ATTGGGTGCT AAGTGGAGTG GCCAATGTCT ATGTTTGTC ACATGTATAT TGCTCTGGCT  180660

GAAATGGAAA ACGTTAATTT GGTTACTTTA TGTGGCCATT GGGCAGCATC TTACAAAGT  180720

GAGAGACATT TATTTGCCTG TGGTTCCATG AAACAGAAAA AAGTTGGTTT TCTTTTGTGT  180780

CGTAGCTTGG ACCCAAGGGC TTTGCAGTGA GCAAGGTTGC TAGTGCTGCT CAGTGAAAGA  180840

GAACCCAGAA ACCTGGCATG CCAGCAAAAG GGTAAAGATT TCTTACCAGT CAGGCTTCTG  180900

GCCTCTCTCT CTTAGTGAAA ACTGAATGAA TGGTAAAAAT CACTGTTTAT CACCTCTGTA  180960

AAGTTTTGAT TAATGGGAAC AAGGATTTGT GGGGCTAGTC TTAAGCTGTA ATGAATCTGG  181020

TATACTTTGT GATATCAATT TGTCTTTCTG TATTACTCTG TCATAAAGAG GAATATGGTA  181080

GGATAGAACA TGGGCTCAGG ACTCCATAAG CCTGCTGTTC AAGCCAGCCC AGTAAACTGG  181140

TCCGTTGCAA AGTTTATTAC AGGTCCCTGG AAAAAAAAAA AAATAAAAAC TGGATGAAGT  181200

TTCCTTCTCA TCTTGTTTTA TGTCCTTTGG AGCTTCACCT TGTAACCACG TGGCGGTACT  181260

TTCTCTTGGT CTCTGCCATC CAGGGAACAG GAATTTTGGG GTTTATGTAA TAGTTAACTC  181320

TAAAAATTAT CTCAAGCCAT TGCAAGCTCA AAATTGGCTG CTCTGGACCC CTTCTGGGAA  181380
```

```
GGGCAATGGA AACTAACCAG TGTTGTAGCT CAGCAGCTAA GGATTTGTCA TTTTATAATG    181440

GCGGCCAAGG TTCAATCCTG GCTTAGGGAA TGAGTACTTT CTGATTGATA TCTGTGTGAC    181500

CTTTACCATT TGTTGATTCT GTTCTCTTCC CCTCCACACA CTGTCTTGAG TTTTCCTCTC    181560

TCTGAGAACC TGGGAGATTA TCTTTGGTAA AGTTCAAAAG CCAGAAATAA TGGCCGTGTG    181620

GGATGGCTAA AGTTGAGTAA TAAGAAACTT AAAAGGACTC CTTTTTTTTT TGCTTTAGAG    181680

TGCTATGGTT TATGGTTAAA AGCTTAATTA AAAGTGGATA TTCAATCTCT AAAAGCCTGG    181740

GACTCCTTGG GAAAAGCAGA GGAGGCACCA CAGACCCCAT TTTGGGAAAA CCTCTGTTTT    181800

CCTCATGAAA CCCCAGGAAC TGGAAGTGGA TAGATCCTTC GCAAAATCTA AGGCTCTGTT    181860

TGGCTTTGCA TTATGTTATC TGATGTTTTT GACTTTTGGG GGTATCAGAA ATTACTTTGC    181920

ATTATGAGGG AGATCTGGTG TGTAATAACC AGGTAGGAAA TATACTTCTG GGGATAGCTA    181980

AAGGCAAATA TAGGTGAATA CTTGGCTATT TGCACTTTTG GATCACAAGA AGCATTCTCT    182040

TGACTACCTA GAAGGTATGG AAATGTCTCC ATCCCCACCG AGAGATAAGA TTCCCAGGGG    182100

AGATGGCTGA TCCCCCAAAA GAGGGCTGAT TCCCTCTTTT GGGATCCAGG ATCTGGTATA    182160

AAAATGGGAC CCTGGCCAGG CACAGTGGCT CACGCCTGTA ATCTCAACAC TTTGGGAAGC    182220

CTCAGAGTTA TGAATGTCTC ACCATACTGA CACTTTGTGA CTGAGCTCCT CTCTACCCTG    182280

GACACAAGAG ACCCTAATAA TTAGACAGGA ATATCATTGC CCCTATTTAG TCTGAAGAAG    182340

TTATAGAAGA CGGATCTTTA TCCCACTGCA ATCCTTAGGA TTAAGGGTTC CCTGGTAAAA    182400

GGGAGTGGGA AAATATGTCA GAGGCATTTG AATCAGAGTG ACTCCATCTT GAATAGGGGC    182460

TGGGTAAAAT AAGGCTGAGG CCTGCTGGGT TAGGTTAGGC ATTCTAACCA GGAGTTTAGT    182520

CACAGGATGA GATAGAAGGT TGCACAAGGT ACCCGTCACA AAGACCTTGC TGATAAAATA    182580

GGTAACGGTA AAGAAGCCAG CTAAAGCCCA CCAAAACCAA CATGGCCACA AAAGTGACCT    182640

CTTGTCATCC TCACTGCTCA TATACACTAA TTATACTGCA TTAGCATGCT ACAAGACACT    182700

CCCACCAGTG CCACGACAGT TTACAAATAC CATGACAACA TCTGGACGTT ACCTTATATG    182760

GTCTAAAACG GGGAAGAACC CTTAGTTCTG GGAATTGTCC ACCTCTTTCC TGAAAAATTC    182820

TTGAATAATC CATTAGTTTA GCACATAATC CAGAAATAAC TATACGTCTG CTTATTTGAG    182880

CAGTCCATAC TGCTGCTCTG CCTATGGAGT AGCCATTCTT TTCTTTTATT TTTATTTTTT    182940

AGATAAAGAC TCGCTCTGTC ACTCAGGCTG GAGTCTGGAG TGCAGTGACG TGTTTTGGCT    183000

CACTGCAACC TTCACCTCCC GGGTTCAAGC AATTCTCCTG CCTCAGCCTC CCAACTAGCT    183060
```

```
GGGACCACAG GTGGGTGCCA CCATGCCTGG CTAATTTTTG TATTATTAGT AGAGATGGGG    183120

TTTCGCCATG TTGGCCAGGC TGGTCTCGAA CTCCTGGCCT CAAGCGATCC ACTTGCCTTG    183180

GCCTCCCAAA GTGCTAGGAT TACAGGCATT ACCCACTATG CATGACCCAT TCTTTTATTT    183240

CTTAACTTTT TTTTGTTTTT TTGAGACAGA GTCTCACTCT GTCACCCAGG CTAGAGGCTG    183300

GAGTGCAGTG GTGCGATCTT GGTTCACTGC AACCTCTGCC TCCTGGGTTC AAGCGATTCT    183360

TCTGCCTCAG TCTCCTGAGG AGCTGGGACT ACAGACATGT GCCACTACAC CCAGCTAATT    183420

TTGTATTTTT AGTAGAGACA GTGTCTTGCC ATGTTTGTCA GGCTTGTCTC GAACTCCTAA    183480

CCTCAAGTGG TCTGCCTGCC TCAGCCTCCC AAAGTGCTGT GATTACAGGC ATAAATCACT    183540

GCGCTCGGCC CTTCTTTACT TTCTTAATAA ACTTGTTTTC ACTTTACTGT ATGGACTAGC    183600

CCCAAATTCC TTCTTGTGTG AGATCCAATA ACCCTTTTGT GTGTGAAAGA ATGTATTGCT    183660

GCTGTTCAGG CTGGAGCAAG CTGGAGCTCA TGCTGCTGCT CAGACTGGAG CATGCGTGAT    183720

CTGTGATCCC AGTAAGAGGA TCATGGTCAC TCCAGCCTGA ACGACAGCAT GATATCTCAT    183780

CTGTAAGAAA AAAAAATTAC TAGAGGGCTT TAACAGCAAA TTTGAGCAGC AAAAAGAAGT    183840

AATCAGTGAA CTCAAAGATA GGTCAATTGA AATGATCTAC TCTGAAAAAC AGAAAGAAGA    183900

CAGAATGAAG AAAAAGAAAT AGAGCCTTAG AGACAGGGGA TACCATCAAG CATACTAATA    183960

TATGCATAAT GGGACTCCTA GAAGGAGAAA AGTGAGAGGA CAGGGAGAGA GAATGTTTGG    184020

AGAAATAATT TCTCAAAGCT TCCCATGTTT GGCAAAAAG CATTAACTTG CATACATATT    184080

TTAGGAGCTC AATGAATTCC AAGTAGGATA CACTCAAAGA GATCCATACC TAGACACATC    184140

ATAATCAGAT TATCAAAAGA TGAAGAAGAT GAATCTTGAG AGCAGAAAGA AAGGAACAAT    184200

TCATCACATA CAAATAGTAC TCAAAGATG TCTGGAGTAG GTATACTAAT ATCAGACAAA    184260

ATAAACTTTA AGATAAGCAT TGTTATAATA AATAAAGAAA GGTATTTGT AATGATAAAA    184320

GTGTCAATTC ATCAAGAAAA CATAACATTA TAAACATACA TGCACCTAAC AACAGAGCCC    184380

TAATATTCAT GAAACAAAAC TGACAGAATT GAAGGGAGAA ATAGAAAATT CGACAATAAT    184440

AGTTGGAGAC ATCAATACCT CACTAGTTAG ACAAGATCAA CAAAAAAATA GAAGACTTAA    184500

CACTTGAAAA CACCTAACCT GACCCTAACA TAAATCTATA GGTCACTACA CCCCAAAACA    184560

GCAGAATAAA CATCCTTCTG AAGCTCACAT GAAACATTTT TCAGGATAGA CTGTATATTA    184620

CTTCATGAAA TAAGTCTCAA TAAATGTAAA AGGACTATAA TAATAGAGTA TATATTCTCT    184680

GACCAAAGTG GAATGAAGAT AGAAATCAAT AACTAGGCTG GGCGTGATGG CTCACGCCTG    184740
```

-148-

```
TAATCCCAGC ACTTTGGGAG GCCAAGGCGG ACAGATCACG AGGTCAGGAG TTTGAGACCA    184800

GCCTGACCAA CATGGTGAAA CCCTGTCTCT ACTAACAAAA TACAAAAATT AGCCAGGCCT    184860

GGTGGCATCT GCCTGTAGTC CCAGCTACTC GGGACACTGA GGCAGGAGAA TCACTTGAAC    184920

CCAGGAGGCA GAGATTGCAG TGAGCTGAGA TCGCGCCACT GCATTCCAGC CTGGGAGACA    184980

GAGCGAGACT CCGTCTCAAA ATTAAAAAAA AAAAGAAAC TAGAAAAATA AGAACAAATC      185040

AAACCCAAAG CAAGCAAGAG GAAAATGAAA AATTTCAAAG CAGCCAAGAA CAAAAGGCAC    185100

ATTATGTACA GAAGAACAAG TGTATAGATC ACATATTTCT CATAGACACA ATATAAGCAA    185160

AAAGACAGTG GAGCAAAATT TTTTAGATTA ATGAAAGACC TACAATTCTG TACCAAGCAA    185220

AAAAACTCCC CCCAAATGAG GGTGAAATAA GACAATTTAA TACAGAGAAA AGAGGAAGGA    185280

ATTTATCTAG TCATATGTGA GAGTTTTATG ATACATTTTG TACTGTATAT GTGGATGTTT    185340

TCTATTTCAT TTAAAAAATC AACCGTGCAA TTAAATGGTA GATTGTCTTG CTTCTTTTTG    185400

ATTGACACAG TCATTAACTA AAATATTGTA GTATTTTTTT ATCTCCCTGC CTAAAGGCAA    185460

TAAACATCTA ATCAGCAGAC TAGAACAATA AAAAATATTT TTTAAAAGTC CTTTAGGCAG    185520

AATGATAAAA GTCCCTTAGG CATATTGAAA TTCCTATTTA TACAAAGGAA TAAACAGTAC    185580

TAGAAATTGT AACTATGTGA GTAAACAGAT AATATTTTTT CTCCATAAAA TGTGGTTGAC    185640

TATTTTCACA AAAATAGTTA ACAATGTAAT GTGTGATTTA TAGCATTTAA AAGTAAAACA    185700

GGCCGGGCAC AAAGGTTCGT GCCTGTAATC CCAGCACTTT TGGAGGCCGA GGCGTGCAGA    185760

TCACTTGAGG ACAGGAGTTC AAGACCAGCC TGGCTAACAT GGCAAAACCC CATCTCTACT    185820·

AAAAATACAA AAATTAACCA GGCGTGGTGG TGCACGCCTG TAATCCCAGC TACTCTGGAG    185880

GCTGAGGCAC AAGAATCACT TGAATCCAGG AGGTGGAAGT TGCAGTGAGG CAAAATTATA    185940

CCACTGTGCT CCAGCCTAGG CAACAGAGCT AGACTCTGTC ACACACACAC ACACACAA      186000

AAGAAAAGTG TATGACAACA ACAGTGCAAA AGAAGTGGAA ATGAAAATAA TGTTATTTTA    186060

TATAAGTGGT ATACTTTTAG ATGAACTACG ATAAATTAAT GATGTATACT ATAAACTCTA    186120

AGGCAACCAC TGAAATAATG AAACGAAGAA TTATGGCTAA CAAGCCACAA AAAGAAATAA    186180

AATAGAATGA GAAAAAATAT TTAAGTTGTT CAACAGATGG GAAAAAAAAG AGGAAAAAGA    186240

GAACAAAGAA CAGATGGGAC AAATGGGAAA GTAATAGCAA GATGATAGAC TTAACTCTAC    186300

CCATATAGAT TATCACACTT AAGGTAAATG ATCTAAATAC TCTAATACAA AAGCAGAGGT    186360

TGTCAGATTG AATTAAAAAA ACAGACAACA ACAAAAAAAA GCAAAAAAAG AGCCACAACA    186420
```

TGCTGCCTAC AAAAAATTCA CTTTAATATA AAGACACAAA TAGTCTAGAA CACCATCACT 186480

TTTAACCTTA TTTACTCAAA CCTCCTGATC CCTATTTATT TATTTATTTA TTTATTTATT 186540

TATTTATTTA TTTATTTATT TTTGAGACAG AGTCTGACTC TGTTGCCCAG GCTGGAGTGC 186600

AGTGGCACCA TCTAGGCTCA CTGCAGCCTC TACCTCTCGG GTTCAAGCGA TTCTCCTGCC 186660

TCAGGCCTCC CAAGTAGCTG GGACTATAGG CACATGCCAC CATGCCCAGC TAATTATTAT 186720

ATTTTTAGTA GAGACGGGGT TTTGCCATGT TGGCCAGGTT GGTCTCAAAC GCCTGACCTC 186780

AGCCTCCCAA AGTGCTGGGA TTACAGGCGT GAGCCACAGC ACCCAGCTCC TCTTCATTTA 186840

TTCTTGCTAC GCTTCCTCCA ATCCATTTTG TGCATTTGAT GATTTTGCCA GTAACTTCTT 186900

TATTTTTCTG GTAAAATTAC TTATGGGTCA CTGAGGACTG GGATGTTCTT TCTTCTAGAG 186960

GGGGTTTGTG TCTGCTTTTG CCAGGAAGCT GGGGTACCAC CAGTCAAGTA TTACTTTAAA 187020

CTCAATTCAT GAATTGAGAC TTTTTTTTTT TTTTTTTTTT TTACGCAGAG TCCTACTCTG 187080

TCACCCAGGC TGGAGTGCAG CGGTGTGAAC ATGGCTCACT GCAGCCTCAA CCTACTGAGC 187140

TCAAGCAATC CTTCTGCCTC ACCATTCTGT ATAGCTAGGA CTACAGGTGT GTGCCACCAT 187200

GCCTGACTAA TTTTTTAAAT ATTTTTTTTA GAGATGGGGC TCACTTTGTT GCCCAGGCCA 187260

GTCTCGAGCT CCTGGGCTCA AGTGATCCTC CCACCTTGGT CTCCCAAAGT GCTGGGGTTA 187320

CAGGCATGAG CCTCTGTGGC TAGCCAAGAC TTTTTATTTT TTAGCCTAAA TGTGTATAAA 187380

AGTTGGCTTG TGGTTACAAC TTATCAGGAT TGATGATCTC TCTCTCTCTC TCTCTCTCTC 187440

TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT 187500

AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTTA CTTTTATCAT CCTTTGGGAT 187560

CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGTAGAATCT 187620

GGACTTTCAT TTTAGACTTT ATTTGTTTTC TACTATAAGC AATTTAAGTT ACAGATCTCT 187680

CTACACACTG TTTAAGTTGC ATCCCATGAA TTTTGATGTG CTTTATTGTC ATTATTATAT 187740

AGTACAATGT ATTTTGTAAT TTTTTGTGAT TTGTTTGGAG AGATTGATTA ATTAGAATGA 187800

TGTTTAATTT CCAAATATGT GTGTTTTTTT CTACATTTCT TATTTTTATT GATTTCAAAT 187860

TTATTTCTAC TGTAGTCAGA TTTAATAATT CATTTATTTT TATTATTTTC ATTTTTTTAG 187920

AGACAGGGCC TTTCTGTGTT GCCCAGGTTT GTCCCAAACT CCTAGTCCCA AGCAGTTCTC 187980

CTGCCTCAGC CACCCAAAGT GCTGGGATTA TAGGCACGAG CCACCCGTGC ACAACCAACA 188040

ATTCATTTAA AAAGTGGGCA AGTGAACTGA ACAGACATTT CTCAAAGAA GGCATACAAT 188100

-150-

```
TGGCCAACAA ATATATGAAA GAATGCTCAA CATCACTGTA TTAGTCTGTT TTCATGCTGC    188160

TAATAAAGAC TTAACCTGAG ACTGGGGAAT TTACAAGAGA AAGAGGTTTA ATGGACTTAC    188220

AGTTCCACAT GGCTGGAGAG ATCTCACAAT CATGGTGGAA GGCAAGGAGG AGCAAGTCAC    188280

ATCTTACATG GATGGCAGCA GGCAAAGAGA GAGCTTGTGC AGGGAAACTC CCGTTTTTAA    188340

AACCATCAGA TCTCGTGAGA CTCATTCACT ATCATAAGAA CAGCATAGGA AAGACCCGGC    188400

CCATAATTCA GTCACCTCCC ACTGGGTTCC TCCCAGGACA CATGGGAATT GTGGGAGTTA    188460

CAATTCAAGA TGAGATTTGG GTAGGGACAC AGCCAAACCA TATAAATAAC TAATCATCAG    188520

GGAAATGCAA ATCAAAACCA CAATAAGGTA TCATCTCACC CCAGTTAGAA TGGCTATTGT    188580

CAAAAAAACA AAAAATAACA AATGCTGGTG AGGATGTACA GAAGAGGGGA CTCTTATGTC    188640

CCACTGGTGG AAATGTCAAT TAGCATAGCC ATTATGCAAA ATAGTATGGA AGTGAGGTAG    188700

GTTACATAGG GTGGTCACAG CCTCCCTTGA AAGGAAACAA GAAACTTGTC AAATTGATGG    188760

AGAGAACAAA TCTCTTGACA TTACACAAAC TGCATCTGGG GCTAGTGGTT AGAATATCCT    188820

CAGTCAAGGA GGTAGAAGAG CAGGAGGGAA AATCCCTAAG TTCGTGCAAG TGCAGAAACC    188880

CACAAGCTGT GTTCTCAGGT TGACATATAC TCATTTTAAT AGTAAGAAAC ACACCCTTGG    188940

GTAGAGAATT AAAATGCTAA TAATACATGT GATGTATGTA CTAGCGTGTA TGGCAATATT    189000

GCATGCACAT TCAAGAGACC ACCCAAAACA TATTTAACAA CAATGCCCAT TCCCACCCCC    189060

TCATGGATAA TCACGTAGGA CTCCCATAAC GGGAGTTTCT TCAGTGTCAA TTGGTGCTGA    189120

AGTAGCCGAC CCTGACTCTG CTATCAGCGT GTACTTTCAC CTTGCAATAA ACTCCTTTGC    189180

CTACTTTTAC TTTGGACTGG CTTTCAAATT CTTTTGTGCA GGGAATTCAA GAATCTGAAC    189240

CAGCCTACTG ACAACAGAGG TTTCTCAGAA ACCTAAAAAT AGATCTACCA GATGAGGCTG    189300

AAAATCTGCT ACTGGCTATT TATCCAAAGG GAAGGAAATC AGTATACAAA GAGACACCTA    189360

CATCCCCATG TTTATTGCGT CACTCTTCAC AAGAGCTGAT ATATAGAGTC AACCCTAAAT    189420

GTTCATTAAC AGACAAATGG ATAGAAAATG TGGCATATAT ACACAATGAA ATACTATTTG    189480

GCCATGAGAA GAATGCAATC TTGTCATTTG TGGCAACGTA GATGAAACTG GAGAACATTA    189540

TGTTAAGTAA GATAAGCTAG GATTGGAAAG ATAAATACTA CATGTTATCA CTCATATGTG    189600

AAAGTAGAGA AAAATTTTTA GCTCATGGAT TTAGAGAACA GAACTGTGGG TACCGGAAGC    189660

TGGGAAGGGT AGCAAGGAGG GGAGGATAGG GAGAGGTTGG TTAATGGTGA CAAAATTACA    189720

GCTAGATTGT AGAAATGAGT TCCGGTGTTC TGCACCATTG TAGGGTGCAT ATGGTTAACT    189780
```

```
CTCATTTATT GTATATTTTC AAAAAGCTAG AAAAGAATTT TGAATACTCA CAACAAAATA  189840

AATGATAAAT GTTTAAGGTG ATGGATATAC TAATTACTCT GATTTGATTA TTACACATTG  189900

TGTACACATA TAAAAATATC ACTCTTTATC CCGTATATAT GTACAGTTAT TATATGTCAA  189960

CTAAAAATAA AAGAAAAAAA GAATATGATC TATCATGATG TATATATCAT GTGTACTTGA  190020

GCAAATGTG CATGCAGATA TTGTGTATAA TGTTCTATAA ATCAATTAGC TCAAGATAAT  190080

AGATAGGATT GTTCAGATCT TCTGTGTCTT TACTGATATT TTGTCTAGTT ATTGCATCAT  190140

TACCAAAAAA AGGGTGTTAA ACTCTCCAAA TGTGATTGTA GAATTGTCTA TTTTGTCTTT  190200

TCTTTTCCAT TTTTACTTTA TGTATTTTGA AACTCTGTTA TGACATTTTG CTATGTATTT  190260

TAAAACTTCG TTATGTATTT TGAAACTCTG TTGTTAGAAT CATACATTTA TGATTATTAT  190320

GTTTTCTTGA TGAAATGACA CTTTTCTATT GTCATTGTTT TTGTTTTTTC TGAAATGGAG  190380

TCTCACTCTG TTGCCCAGGC TGGAGTACAG TGGCACAATC TTGGTTCACT GCAACCTCCA  190440

CCTCCTGGGT TCAAGCGAGT CTCCTGACTC AGCCTCCAAG TAGCTGGGAT TACAGGCATG  190500

TGCCAGCATG CCAAACTAAT TTTGTATTTT TATTAGAGAC AGAGTTTCAC CACGTTGGCC  190560

AGGCTGGTCT CGAACCTCTG ACCTCAGGTG ATCCGCCCAC CTCGGCATTT TTATTTTATT  190620

TTATTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGGT AGAATGCGGT GGTGTGATCT  190680

TGGCTCACTG CAACCTCCGC CTCCTGGGTT CAAGCAATTC CCATGCCTCA GCCTCCCGAG  190740

TAGCTGGGAT TACAGGCACA TACCACCATG ACTGGCTAAT TTTTGTATTT TTAGTAGAGA  190800

TGGGGTTTTT CTATGTTGGC CAGGCTGGCA ACTGACTCCT TTAACAATAC AAAATATCAC  190860

TCTGTCTCTG GTAACACTCT CTGTCTTAAA CTCTATTTTA GCTGTTATTA TTATAGCCAT  190920

TTTAGTCTTT TTATGCTTTC TGTTTGCATA GTGTATATAT TTTAATATGT TTATTCTCAA  190980

GTTATCTGTG TTTTTATATT TAAGATGTTT CTCTTCTAGC CAACGTGTTT GGTTCTTGCA  191040

TTTTTAAGTC GATTCTAACA ATCTTTGCCT TTCAATTGAA ATATTTACAC CATTAACATC  191100

TAACATTAAC ATTTATTTTT CTTTCCACAG TACACTGGCT AGCATCTCCC ATATAATATT  191160

GAACATAAAG TGTGATAACT GACATCCTTA TTTCATTCCT ACTCTGAGTG GAAAGGGCAG  191220

GGGTGGAGAA AGCATTCAAC AATTTGCCAT AATTATAATG CTTTTTGTTA CACTGTTTTC  191280

TTCTGCATTA AAAAATATCA TTACATTTTG CATGAATTAT TAGGAGAAAA TATTTTCCAA  191340

TTTTCCTGGA AAATGCCATA ACCACGTCTC TCAATTTTGT TTCCATCTTT CTTCCACATT  191400

TTACATAACC TACATAAGAG ACACATTATC AAGTATATTT TACATGGCTT CTCAGTGTCT  191460
```

-152-

```
TCTCTGTCTG CTAACAGGTT TACCAAGAGA TGGCACTCTT GTATTCTGG TGGCTATGTC  191520

CATATCGTTT TGCCTTTAAG ACAGCGTAAC TACTTCTTTC ACCAGTATTA AAGACATGTA  191580

CATTTGATCT GGTTCTTGTG GATGATTTTA AATGACTCAA GCTAATAATC CTAATTTTAC  191640

CTAAACACTC CATTATTTTA AAATGTATTC CTTTATGCCC ACAATAAACA TTTATTGACA  191700

TTAGGCTGGA CATTAGGCTT CTCTATGGCA GACATTAGGC TGGACCCTAG CCATATATCT  191760

ATTGAGGGAA AAAAAATTAT TTTCTATATA AGTTTCCAGA AAGCCAAGAT GTGTTTTAAA  191820

AACAAAACAA AACATTACAT TCTAAATGCT GTAACAAGAT AAGAAAAAGT GTTGAGGCTG  191880

AGAGAAGAAC AAAGCAGCAA GCAACTCCTG GAAGGACCAC TGCTGCAGAG GTAATAACTG  191940

GTGAACCATG TTTTGGAGAA GGAAAAGGTC ACCAAGAGAA GGAGGGGGTC CAGGGTGTTC  192000

AGAAAGATTG CATGCATAAA GATCAAGGGT AATAAAAAAA ATTCCGTATT ATGTAAATGT  192060

GAAGTTCCAG GACCATGAGC TTGGAGAGCA TGAAGTACAG GAGGAGGGTT GGTTTCAAAT  192120

AAATCTGGGA ATGAAACAGT GAAGCCTCTG GCAGAACTCA CATCTCTTTC CTCCCCTCTT  192180

CCTTGCACAT TCCCTTTATG GAGTAATTGC AGGGATGGGA AAAGTTCAAA ACCACCACTG  192240

AGCCTAGGAA GTGCTAGGGT AAAGTGGAGA ATGAACCTGC GTGATTTGCT CATCCTAAAC  192300

TAGGTTCTTC TAGGAGAGCC CTTCCCCATA AAATCTGCCC TCCTCGAAGG GGCCCAGACA  192360

GCCTAAGCTC ACCTCCCAAA GACCCCTTAC TTGCTGACTG AATCTGATTC CACCCAGACA  192420

TGGCCTAAAA CCCTTCCATA ACTCTATAGC CAAATTCAAT TTTAGACAGG CCTCATACCA  192480

ACCTTTCTTC CTCTAAGTCT GCCACCCTAG GCAATTCTCA ACATTCTCTA CACACTTTGG  192540

GGCCATAGAC GTGCTACCAA GTCTCCAGAC CTAGACCTGA TGGAGCAGTG CTGTAATGAG  192600

ACGACCACTG GCCTTTGAAC CAGACCCTTC TCTGTGGCTC CTATGCATCT CCAACCTGTT  192660

TTGAGCACTG CTGCCAAGAC ATCTTTGGCA CTTTGTTGTG AAGTTTTAAA ACTGAACTAA  192720

TCTACAAAAC ACCTAACCTT TAAAAATTCA TTGTCATTTC ATATCATGAA AGATAAAGAA  192780

AGGCCAGGAA ACTGTTCCAG GTTAATAGAG ACTAAAGAGA TAGCAACCAA ATGCAATTTG  192840

TGATCCTGGA TTGAGGGGAA AAAGTGTTGT CAGAGACATG ATTGGGACAG CTGGTAAAAT  192900

TTGAATTTGA ATTTAAAGAT AAAGTATTGA GTAATATAGG AAGATGATTA TCTGCAACTT  192960

TCAAATGTTT CAGTAAGTAT ATATATATAT AAAGAGATAT AAAGACATAT AAATAAATGG  193020

ATAGGTAGAG AAAAAGCAAA TGTATAATAT TAACAATCTA GGTAAAAAGT ATATGAGTGT  193080

TCTTTGTACT GTTTTTCTGA TTTTTCTATA TGTTTGAAAT CATTTTAAAA TAAGAAGGTT  193140
```

```
TTTGGGTTTT  TTTTGTTTGT  TTTTTGTTTT  TAGAGACAGC  ATCTTATTCT  GTCACCAGGC  193200

TGTAGCTCAG  TGGCCCAATC  ATTGCTCACT  GCAGCCTCAA  CTTCCTGGGC  TCCAGTAATT  193260

CCCCCTACCT  CAGGCTCATG  AGTAGCTGGT  ACTTCAGGTG  TGCACCACTG  CACTCAGCTA  193320

ATTTTTATTT  TTTAAATTTT  TGTAGAGATG  GCATGTTGCT  ATGTCACCCA  GGCTAGTCTC  193380

AAACTCCTGC  CCCCAAGTGA  TCCTCCCACT  TTGGCCTCCC  AAAGTGCTAG  AATTATAGGC  193440

ATGAGCCACT  GCACCCAGCC  CCAAATAAAA  AAGTATTTTA  TTTTAATTAA  CTAATTAACT  193500

TTGAGTCAGA  GTTTCACCCT  TGTCACCCAG  GCTGGAGTGC  AATGGCATGA  TGTTGGCTCA  193560

CTGCAAACTC  TGCCTCCTGT  GTTTAAGCGA  TTCTCTTGCC  TCAGACTCCT  GAGTAGCTGA  193620

GATTACAGGT  GCCTGCCACC  ATGCCCAGCT  AATTTTTATA  TTTTTAGTAG  AGACGGGGTT  193680

TCAGCATGTT  GGTCAAGCTT  GTCTCAAACT  CCTGACCTCA  GGTGATCCAC  CCACCTCCGC  193740

CTCCGAAAGT  GTTGATGAGC  CACCACACCC  GGTCTAAAAA  GTATTTAAA  ACCACAGTCC  193800

CACTCTACCT  TGTCCTACAC  TACCAGGGGC  TAGGATCACC  CCATGTCTTC  TAGGCTATGA  193860

GATAGAGGAA  TCCAAGGAAG  AAGATAAGCT  ACTTGGTTCC  TCTATAGGGT  CTTGTGTGTG  193920

CTCTCATGTG  CTCTCTCTCT  CTCTCTCT  CTCACACACA  CACACACACA  CACACACACA  193980

CACATGAATA  CCAGAGCTAT  CACTTTCCCA  GTCTAGTACT  CATCTCATCC  CAAGGGTTTT  194040

GTGTTGTAGT  GGTTTGCTCA  TTTCTTTGTT  TTGTTTGTTT  GCTTGGATTA  TTCTTTTTCT  194100

CTTTTTGCAG  CTGAAGGGAG  AATTTCCAGG  CCAGCCCTTT  GGCCATTAGA  GTTACAGTGC  194160

CTCTATTCAG  GCTTCATAGA  GAGACCTGGG  ATTCAGTAGT  GGGGGGCTTT  TATCCAGTTC  194220

AAAATAATGC  ATTCTCACCA  AGATGTACTT  TGAAATAAAA  CAATACTAAA  ACACAAAATT  194280

TTATTTATGC  TGAACATTGA  ATCACTTTTT  TCTGTATTTT  GTGTAGAAAG  TTATACACAC  194340

ACAAACACAT  TTGCTCCTGC  TTTGTTTATT  GGCCCAGGGG  TATGTTTGGT  AATACTTCAT  194400

CAGGCATGAG  TAGTACGTCT  TGGAAGGTGT  GGTCTAAAGC  CTAGACTCCT  ATCTGCTTCC  194460

TTCAGCATTC  TCCAGTGTAT  CTGTCATCTG  TCTACCTTAG  GATAGGGGTC  TCCAGAACTT  194520

CCATTCACAT  TTAGAAGAGG  GCAGCGGCTT  TCTATGGAAA  ATATGAACTC  TCATTCATCT  194580

CTATTCCTTC  TTCTAGCTAT  GGTCCAGCTC  AGCTGTTTGG  AATAAAGTAT  CTATATGAAG  194640

TCTGCGAATG  GTTCTCAGAC  TGGTTGAACA  TTAGAATCAC  CTGAGTACCT  TCTAAAATTC  194700

TTATTACCCA  GGGCATATCT  CAGAATGAGT  ACCGCAGGGT  AGGGATAGGA  TTAGGGATCA  194760

TGATCTCTGG  AGTCTGGTTT  AGGCACTAGT  GCTGTTTAAA  ACTACGTTCA  TGAGGTGGAG  194820
```

GTTGCAGTGA GCCGAGATGG CGCCACTGCA CTCCAACCTG GGCGACAGAG TGAGAGTCTG 194880

TCTCAACAAA ACAAAACAAA AAAAACCAAC TACCCTTGTG ATTTGAATGT CCATCCAAAA 194940

TTGAGAACCA TTAGGTAAGG CCAAGCTGTA TAATTAAAGA GCAGTTTTCA TTTGTCTGGT 195000

GTGGTGGCAG CTTTTTGATA AGGGAAGTAT TGTTGCCATC CACATACCTG AGCCTCACTC 195060

CTGAGAACAC TGGTGTGTAT GTTGCTAAAA TTCCCCAGGT GATTCTGAGG TTCCTTCCTG 195120

GATAAAAACC ACTGACCCTG GGAATGTACC CACTGCCAAT CTCCTGCGTA AACCTTGGAT 195180

ACTGGGAAGC CTACAGTTGA AAATATTGGG CTTGAGATCC TGAAACAAAT CTTGTATTTC 195240

ATTAAGACTA ATATTTGGTA CAGTGCAGCA AATCAAGGGA ATTTTGGTGG CTGAGTTCTT 195300

TTAGAACTTT TGCATTGAAA TAGGTTCAAG CAGCAATAAG TTAAAACTAC AACCTCAGCT 195360

AAAGGATTAA AAGACACGTG AGCTGGGTAG GATGAGGTCT AAGGTTGGGT GTGGCGGCTC 195420

ATACCTGTAA TCCCAGCACT TTGGGAGACT GAGGTGGGTG GATCACTTGA GGTCAGGAGT 195480

TCAAAACCAG CCTGGCCAAC ATGGTGAAAA CCCATCTCTA CTAAGAATAC AAAAAAATTA 195540

GCTGGGCGAG GTGCCAGGCA CCTGTAATCC CAGCTACTGG GGAGGCTGAG GAGGACAAT 195600

CACTTGAACT CAGGAGGCAG AGGTTGTAGT GAGCTGAGAT CGCACCACTG CACTCCAGCC 195660

TGGGTGACAG AGCAAGACTC CATTTAAAAA AAAAATAATA ATAATAACAA TAATAATAAT 195720

TCAGACATAT CCAGGCATCA AACAGATACC TGGGGCAGAT GAATAGTCTT GAGATTCAAG 195780

TCACACATGA AATTTAGGTG GAAAATGACA TTGGAGAAAT TTGAGATTAT GATGAATGGA 195840

AATTTTTCAA AGAGGAATTT CAGGCTCTGT TCTTGAGGGG ATAGATGGAC TTCCAACAGC 195900

AATAACACAG GATTAATGAG GACTTGGGAT GTTACATAAA TTAGAGATGT TAGATGGATA 195960

AAGAGATAAA AGTACTCTCT CTAAGAACAT GGGACCAGAG ATAGGCTCAC TTCTAACCAT 196020

CAGATATAAC TAGCAGACTA AACGGTCTAA AAATAAAAAT CATGCCCCAC TCCTGCTTAA 196080

GACATTTTAA TTACTCTCAG TAACTCTTCA GTTTTTCTAC TGTGTTATCT TTAACTACAG 196140

GGTTGGTCTG GGTGTGCAAC ACAAGAAAGC CTGGCATATA CATGGATTCA AGTGTATGCC 196200

ATGTGCAGGT ATTCTTTCAT GTACTATTTC ATGTATTCTT TTTCACATCT GTTTTTTCCT 196260

TCATTGAAGT CAATGGCTGA TATTAGATTC TACTATTCAT GTGTACTAGT TATATATAAT 196320

TGTTACAAAA CAAATTAGCA AAAACTTAGT GGCTTAAAGC AACACACATT TATTATTACC 196380

TAAGGTCTGT GGATAGAAGT TCTGACATGG CTTAACTGGG TTCCCTGCTT CAAGCCTCAT 196440

GTGGCTGCAA TCCAGGTGTT GGCTGAGTCT GAATTCTCAT CAGAGGCTTG ATTGTGGAAA 196500

-155-

```
TTTCCACTTC CAAGCTCCCT CAGGTTTGTT GAAAAATTCA GTTCTTTGCA CCGGTAGAAG  196560

CTTCTTGGTA GAGGCTGATT CAACTTCTAG AGGCTGTCTG CAGTTCCTGT CACCCAGGGT  196620

GGAGTGCAGT GGAGCAATCA TAGCTCACTG CAGCCTTGAC CTCCCAGAAT CAATCTGTTC  196680

TCCCACCTCA GCATCCTGAG TAGCTGGGAC CACAAGTGTG TGCCATCACA CCTGCCTAAA  196740

AAACAAACAA ACGAAAAAAA ACCCCCAGAG AACTTTGTAG AGACAAGCTG GTCTGGAACT  196800

CCTGCGCTCA AGCAATTCTC CTGCCTTAGC CTAAAAGTTC TGGGATTATA GGTATAAGCC  196860

ACCATACCTG GCATATGGCA AGTCTTGAGC AGGACAAATA CAGATGATTT ATGTCTGTCT  196920

TCCATGGTAT TCTAGGTTAT TGTTGAGATG GTCCTCTATT GTCTTGTTCC ATCTATTGAT  196980

TAGATAAAAC GTTGTTCCTT CTGTTATTTT TCAACAGTAG CTTTTATGTG TCTCTCTTTA  197040

TCTTAAAATT CTAACCAAAG AGCTGCTCTT TTCTTGGTGT ACTTTACCTT TGGTTGATCC  197100

TTCTTAACCT CTTCTTGCCC TCTGGGGCCT AAGATGAGGG CTGTTATCAG ATGTGAGTCT  197160

ATGGGAAAGC AAGCAAGAGG TTCTTCAGCC TCCGTTCAGC CTTAAATGTC TAGGTAGAAA  197220

TCAGTCATGG CCCTTCCAAT GTGGTACAGA CCAGATCACA GAGACAGGGG TCTCAGCCAA  197280

GGTCTTGTGG CCTAAGCCTT ATAGAAATAA TGAGTGTTTA CTTACTTGGA GAACTCCCTT  197340

GGAATATCTT TTTTTGTGAA CCTGAGGCAA CTTTTGGTGA TTTCTTGATG TCTTGGGAAT  197400

CTTGGTCTAG AGCCATTTCA ACCCGATTTC TTTTCATGTC AGTGGCATTT TGTGACCAGA  197460

TAGTAAATAA GTTCTATGAT GTTCACTCAG AGAAATACAA TGACTTATGA TGCGAAGCTT  197520

CTGTGGTTCA GCCCTTACTT CATCTTCATT CCCTCTTATC TGCATCTGTC TCCTGCTTGG  197580

GAACAAAGT CTGGCTTCAT TCTATGACCC CCACGTTGAG TTTCTTAGTA GCACTTACTT  197640

TTCAATTAGG AGTGTCCTCA CTTCTATCCG TCAGACATAA CTAGCCGACT AAACAGTCTA  197700

AATATAAAAA TCATGTCCTA CTCCTGCTGA AAACATTTTA ATTACTCCCC ATCATTTAAT  197760

TTTTTCTACT GGGTTATCTT TAACTTCAGA GTTGGTCTTG TGTGCAACAC AAGAAAACCT  197820

GGCATATACA TGGATTCAAG TGTATGCCAC GTGCATGTAT TCCTTCATGT ACTATTTCAT  197880

GTATTCTTTT TCACATCTGT TTTTTCCTCT AAAATTTATT TCCTTTTAAA AATGAAAATT  197940

TTGCATTTGA CTAAATTTGT CAAATTTAGT CAAATTTGTT TAAAACCATT TTTAAAATGT  198000

TTCCCGAAGT TTTGAGTGAA GTTAGTACTT CAGAAAAACT GTTTTGTATT TTTCCTGTGA  198060

CCTCAGTGCA CTGCTGTGCA TTTCCATTTC TGCGTCCACA CACATTTGTT TTGAGGAAAT  198120

ATAGGAACGA CAAGATAAAG TTCAAGCTCC TGGACATTGC ATAAAAGACC GTCATGACCT  198180
```

-156-

```
GGTCCTGTTG ACTTCCCTAG ATTTCCCGCT ATTTCCTAAG TTGAGATTTT TGGTTTGGAT    198240

GCTTTGTGTT TTCCTAAAAT CAAAATAGGT TTTTGCCTTT TATGATTATA CAGTAAATAA    198300

ATGCTATTTG TGTGAAACTT TAAACAATAC AAAAAAAACC TAAGGAAGAA AGTCAGATTC    198360

ATCTAAAAAT CCTTGTGGCC AGAATTAACT ACCTTAGTTA CTATTTTCTC TATCTCTCTC    198420

TCTCAATGTA TATTTGGTGT AGGTATAGGG GTGTGTGTAG TGTGTGTGTA TGTATATATC    198480

TGTTTCTATT CCTGTATGTG GATGTGCACA ACGCATCCTG CTTTGTACAC TACAGTACTA    198540

GCATTTTTCT AATGTAATTC AATATTGTTG AAAACATTTT AAAAAAGCTT GTATATATAC    198600

ACACACATAC ACATACATGC ATGTATGTAC ATATACACAT ACAGACAAAA ATGTATCCTA    198660

TGTATATTCA CACATGTATA CACACTCACA CATACATAGA GTTTTACATC CATAGTTTAT    198720

AAATGTTGCT TTTTTTTGGT CACCTTTTTG CTAAGTCTTA CACTTTTTTT TTTTTTTTTT    198780

GAGACGGAGT TTTGTTGTCA TTGCCCAGGC TTAGTGCAGT AGCGCGATCT CACCTCACTG    198840

CAACCTCGAC CTCCCGGGTT CAAGCGGTTC TCCTGCCTTA GCCTCCTGAG TAGCTGGTAC    198900

TACAGGTGTG CGCCACCATG CCTGGCTAAT TTTTGTAGTT TTTTTATAGA GACGAGGTTT    198960

CACCATGTTG GCCAAGCTGG TCTGGAACTC CTGACCTCAA GTGATCTGCC TGCCTCAGAT    199020

TCCCAAAGTT CTGGGATTAC AGATGTGAGC CACTGCACCC GGCCAAGTCT TACACATCTT    199080

TTTTTTACCA CTAAACTGTT TACCCAAACC TGATAACCCA AGTCAACAGC TATTATGGCT    199140

CACACAATCT TATGTAAACA AAGATACAGA TATATAGAAT TTTCTTGATT AATATTCAGA    199200

AAAAAATGGA GTCCCTTTAT ACGTCCTTAG TATCTGCTTT ACTCATTTAA AAATGTATTA    199260

CATTATATGA AAGTATTCAG GTCAAATGTT ATAGATGTGA TTCATTCTTT TTAACTGTGT    199320

TATTTTTCTG CAATGACTAT GTATCACAAA GTACTCAGTC TTCCACTGAT GAAAATTTGG    199380

GCTATTTCCA GTTTGTCTTC CATTTTTCTT TCTTCCTCTT GGATTTTCAC TCAATGTGTT    199440

TACTAATTTA GGAAGAATCA ATAGTTTTTA TGGTATTACT TCTCCCATTC AAGAATATAG    199500

CATATGGTAT AGTATAGTAG AGTACTTAGT TTAATTTAGC CAGATCCTGT TTTCTGCCCT    199560

TTAATAAAAT TCTATCATTT TCTGCCTTTG AGTCACATTT TCCTTGTTCA TATAATTCTT    199620

AAAAAATGTA TAGTTTTCAT TCTAAGGGAA CATAAAAACT TCTTTCCATT TCTATTCCTG    199680

TCTAGTTAAT TCTACTATTG GGAAAAGTAA CTGTTAAAAA AAATTCTTAT CTTTCCAGTC    199740

AGTTCACCAC ATTTCCTTTA TACCTTTGTA CTTTAATCCC CAGTCATGTT GAACACTTCT    199800

TATTCCTCAC ACCAAGCCTC AACGGGTTTG CTCTTTCTGG AAGGTGCTTC CCCTGTATTA    199860
```

-157-

```
CTGACTTATT CATACCACAC ATGGAGACTG GCGCAGCCCT GTTCTGCCTG GGAAGCCTTC  199920

CCCTGATACC CCCAGTTGGC AGGAGTCTTC ATTTGTTCTT TTCTAGTCAC CTGTGCAAGT  199980

TTGTATTGTT CATGTTTATC ATCCTTCATT CTAGTTGTCT GTCTCTGTGT GTGGTCTCAT  200040

TCAGTGGACT CTGAACTCTT ATGAAGTCAT GTCATGGGTC AGATCTTAAT AAATTAATAT  200100

TGTCGGAAGC TAATGTCATG TCTAGAATAC AGAAAATTTA TCAAAAAAAA ATATAGTATG  200160

TTGGCTGGGC GCAGTGGATC AAGCCCGTAA TCCCAGCACT TTGGGAGGCC GAGGCAGGAG  200220

GATCACATGA GGTCAGAAAT TCAAGACCAG CCTGGCCAAA ATGGTGAAAC CTCATCTCTA  200280

CTAAAAATAC AAAAAGTAGC CAGGCGTGGT GGTGCCCACC TGTAATCCCA GCTACTCAGG  200340

AGGCTGAAGC GGGAGGATCA CTTGAACCTG GGAGGCAGAG ATTGCAATGA GCTGAGATCA  200400

TGCCACTGCA CTCCAGCCTG GGCGACAGTG AGACTCCATC TCAAAATAAT AATAATAATA  200460

ATAATAATAA TAATAATAAT AATTGTATGG AATTGAACTG CTCTGATTGG AAATAGCTGT  200520

TTTTTAAAAA ATTATTATTT TTTAAGTTCC TGGGTACAAG TACAGGATGT GCAGGTTTGT  200580

TACATAGGTA AACGTGTGCC ATGGTGATTT GCTGCACCTA TCAACCCATC ACCTAGGTAT  200640

TAAGTACAGC ATGCATTAGC TCTTTTACCT AATGTTCTCC CACACCCCCA CCCCATCCTC  200700

CCCCAACAGG CCCCAGTGAG TGTTGTTCCC CTCCCTGTGT CCACATGTTC TCATTGTTCA  200760

GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTTC TGTTCCTGCC TTAGCTGTTA  200820

ATGTCAGGCC AGAGAGGCTT AAATTTTTAA GGATCTCTGG ACTTTTCTTC TACATTACTC  200880  .

TTGATGTTTA TAAATGTTAC AACTTCTTTA ATTTCATTTA ATGTATACCT TATTGAGTTG  200940

ATTTAACTGA GTTAACTTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GGTTAAACCA  201000

GCTACAGAGA TCTTGATTGT TGGTGGTGAA GCAATGCAAG AATTCATTCA TTCAGTAAAC  201060

TAATGTTTAT TAAGCGTGTA CTGTCTTAGT CTGTTCAGAC TGCTGTAACA AAATATCATA  201120

AACTGGGTGA CTTATAAACA ACAAAAAATT TATTTCTTAC AGTTCTGGAG GTGGGAAGTC  201180

TAAGATTAAG GCCCTGGCAA ATTTAGTGTC TGGTGAGGAC AGGTAGCCAT CTTTTTGCTG  201240

AGTCCTAACA TGGCAGAAGG GTTGAATAAA CTTCCTTGGG TTTCTTTTAT AAGGACACTA  201300

ATCCTAGTGA TGAGGTTTCT GCCCTCATGG TATAACTACT GCCCAAAGAC CCCTCCTTCT  201360

AATATTATCA CTTTGTGGGT TAGGATTTCA ACATGAGTTT TGAGAGGATA CAGACATTTG  201420

GATCATAGCA CACACCATAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGATTCTC  201480

AAAATGAACA AGATCCCCTC AGAGAGCTTG CAAAATCCAG CTATAAAATT ATGCTTTTTA  201540
```

AACAAATTAT GCAGTTTGAA AAATCTACTC TGAATCTTAC TTGTGGCATT GAATACTTTC 201600

GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTT TGGGGATCC AGTCTCACCT 201660

ACTTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAATT AAGAAAATAT 201720

CATACCTTTT GGGTAAATTA AGCCAAGAAA GTTCTCCTTT CTTCTCTTTC TCTCTTTCTT 201780

TCTTTCTCTC TTTCTCTTTC TTTCTTTCTC TCTCTCTCTT TCTTTCTTTC TTTCTTTCTT 201840

TCTTTCTTTC TTTCTTTCTT TTTCTTTCTG ACAGGGTCTT GCTCTATTGC CTAGGCTGGA 201900

GTGCAGTGGT GCAATCTCAG CTCACTGCAG CCTTGAACTC CAGGGCTCAA GCAATCCTCC 201960

TGAGTAGCTG GGACTATAGG CATGTGCCAC AACATCAAGC TAATTTTTGC ATTTTTTTGT 202020

GGAGACGGGA TCTCCCTATG TTGCTAAGGC TGGTCTTGGA TTCCTGGGCT TATGCGATTC 202080

TCCTGCCTCA GCCTCCCAAA GTCCTGGGAT TACAGGCATG AGCCACTGCC CCTGGCCATT 202140

ATAACTATTT TCATTGGCTT ATCAGGCACA TGATAACTAT AATAAATCAA TAACCAGAAT 202200

TTTTAAATAA AGAAAGGAAG GAATTGTTTC AACTCTTCCT GCTACCCCTC TATCCCTCAA 202260

AAGGGTAGGC TGAATGTTGT CCTCCAAAGA TATCCATGTC CTAATCCCCA GAACCTGTAA 202320

ATATATTACC TTATATGACA AAAGGGACTT TACATGTTTA ATAAGTTAAG AATTTTGAGA 202380

TGGGCAGATT TTCCTGAATT TTGCAGATGG GCCCTAGTGT AATCACAAGG GTCCTTATAA 202440

GAGACAGGCA GAAGAGTCAG AATAAGAGAA AAATACTTCA AGATGTTACA CTGCTGGCTT 202500

TAAGGTGGAG GAAAGGCCAA GAGCCAAAAA ATGCAGTGGT CACTACAAGC TGAAAAGAAA 202560

AAGAAATGGA TTTTCCCCTA AAGCCTCTGG AGGGGGCACA ACCTTGCCAA TACCTTGATT 202620

TTGGCTCAGT GAAACCCATT TTGGACTTCT GACCTTTAGA ATTGTAAATA AATAAATAAT 202680

TTTGTGTTGT TTCAAGCCAT CACAGTTGTG GTAATTTACT ACAACAGCAA TAAAATAGAA 202740

TTAAATACAG AGATCTGAGG AGTTGAGTAG GATAAGCCTA CTCCAGCAGG TTATTTCGGG 202800

AGTATGGTGA GACTCACTAG GATGGCGGAA CTCAATTAAG GAAGTCTGAA GCTGATAAGC 202860

CAGAGAGGGA AGGCTCTCAT TTCATTTTAT AAGGGTTGCG TCACACTAGG AAGATCCAAT 202920

AGCAACCACA GTCTCAAAAT TAATGATTAC AAATAGGACA CAATTCCAAG AGTCGGGAGC 202980

CAAGCAGAAA ATGGATTAGG GAAGACATGG ATGATATGAA ACAGGAAGGA GGGGTACAAG 203040

GCAGCTTCCT GGGAAGTTGC CAGGGCAGTC ACAGTTCACA TTCATTAGGC TGTGGGCACC 203100

AAATGCATAT GGAAAATCTA GCTGACTTAA CTGAACTCCT GAAGAGGAAT GAACACCTCA 203160

TTTATTGAGG AGCTACTACC AATTAGAATA TGTATTTCAT TTGTTCAATA ACCCCATGAG 203220

-159-

```
TACAGTAACA CAATCCTTGC TTTACTAAAG CGGAAGCCAA TTCAAAGAGG TTCAGTGACT  203280

TGTCCAAGCT CAGGGAAAAC ACTAGGAAGT GAATATGGGT CTGACTCCAT CACTGATTTC  203340

AGGAGCCCTG CCCTTTCCTC CACACCATGC CCCCTTGCTT TCAGAAAAAA AGGCTTGTTG  203400

ACTGAATGGT TGTATGCACA GTTCAAAGCA GAAACACACG ATGACATCTT TTGAGATACT  203460

CTAACAGTGA GAACTTGAAA ATGAAGTTAA AAATTAAGCG GCAAAACCAA GCCGAGGCTT  203520

TCTGAGAAAG TGGGGCCAAA CCTGTTGCCG TCTGACTGCC ACGTGGCTCA CTATTTATCC  203580

CTGTAAAAAT CTGCAAAAGT ATTTGAAAGG GAAGAAGGGA CAGAAAACTC CCTCCTTTTC  203640

CAAGTTAGCC TTATAGTCTA GGGCTTAAAA TACTGGTTTA ATGGTGAAGG TAAGTGCTTT  203700

TCTTCTTTTT GGGTAGAAGG ATTATTACTA ACTTACCAAA GGTCCATTAA GGGGAGGGAA  203760

CAGTTTTAGG AGAAGTCAGA GAAAAGACAT TAACAGCAAC ATAAGGATCT CCATCTGGTA  203820

ATATTGCCTA ATTCCAAAAT GAAGAGACTC TCTGAAAAG ATAACTGATT CAATGAAGAC  203880

CCTAGGGCAA GGCTTGAGAA GCCACTGGTA CCAATGGACA CTGTGGACAA TGGTCATTTC  203940

TCCAAGGACG CTGTGAGTAT TAACTGTGAT GCTGTGATTA GTCAGACTGG GATTGGCTGT  204000

GGAATGAAAT ACTGATCAGA ACTGACAAGA TTTGTGTTTG GGACTGTGGC TAACGAGTCT  204060

TTTCAGACTT CTATATGAAT TTGAAATGGT CTCTCAGGAA AAGGAGAACA TGGCCGGGCC  204120

TGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGCAGGCTG AGGCGGGCAG ATCACTTGAG  204180

GTCAGGAGTT TGAGACCAGC CTGGCCAACA TGGTGAAACC CTGTCTCCAC TAAAAATACA  204240

AAAATTAGCA GGGCGTAGCG GCGCGTGCAC CTATGCGCAT GCATAGTGCG CGTGCCAGCT  204300

ATTCAGAAGG CTGAGGCAGG AGAATTGCTT GAACCCAGGA CGTAGAGGTT GCAGTAGTTG  204360

AGATCATACC ACTGCACTCC AGCCTAGGTG ACAGAGTAAG ACTCTGTCTC AAAAAAATAA  204420

TAATAATAAA AGAAAGGAG AACATGACCA AAGTTATGAA TAAGACTGAA GGCAAGAAAA  204480

TTGTACGCTT GTAGAGATCA CCTAGCTTGT TGCCCTCATT GTACAGCTAA GAAAAGGCAC  204540

CCAGGGACAT TGTGGTCAGC ACCAATTTCT CAGAAAGATA GGCAGATGAT GAGAGGGCCC  204600

TCAGTTTTTC TAACACTGAA GGAATTGCTT CTATGTTTTC TGGTGAACTC CTCCCCACTC  204660

ATCTTGAGGA TTCCAGGCCA GAAGAATCCA CTTTAAAAAA GAAACATTTA AAACCAATTT  204720

AACAACCAAT CAAAGGCACT TTTATAGAAA TACATTTCAT TTGCTGTAGG CCTGTATTTA  204780

TGGATCTGAG AGGGCTAGAC TGCCAATATT GTGACTGTTT ATTATTATTG CTGTTGCTAG  204840

TATCTAGAAT ATTATACAAC ATATAACACT TTGCAATTTA CGAGGCATGT CTCATACTTT  204900
```

```
TGTTTTCACT CCAAACTGCC CAGTGAAGTA ACATTATCCC AATTCTTCCT ATGAAACAGT    204960

GAAAGCCCTA AGAGTTTTTG AAACTTTACC TGGTTTACTC AATTTGGGAA TGGCAGAGCA    205020

GAATTCAGTC CTTGAATATC CTCCCACTGC AGGTTCATGC TCTTTGATCT AGGTGTAACA    205080

TTTACTCTGA GTAAACTAGG ACTCTGGGCT AACAGAGATG AAGCAAGACA GGCTGGATAT    205140

TAGGAGAATC TAAGAGCAAT CTAACGACCA TTATAATAAA ATCATGAGTT CTAGACTTAA    205200

AAAAAGGGAA AAACCTGTTT TTTTGCTTAT GCGTATACCA TAATATTTAC ATTATTTATT    205260

TTTTTCTCAA ATTCAACCTA TACTGTGTCA AGTAATTTTT TTAATATAA CATTTTCCTT    205320

TAACTTAATT TCAATTCATT TTTCTGTGTC TACTTACAAC TTTGGCACTA GAATTCACAA    205380

TTTTTTTTTA GAGGTATATC TCCTTAAAGG GAAGGGTTCT GACACTGTTA CATGTTCTCA    205440

ATTGTTTGCA AATAGGTTAA TAATTATTCC AGTGTCTCTA AGTACATATC AACCATGCCA    205500

GTGTTCAGCC TCCATAATTT TATTAGCTTC TGTGCTTATT TTGGAAAAAC ATTTCCCATT    205560

ACCATGAAAG ACCTCAGTTT AGGATGGTTT GGTATGTTAG CCTGATTTCT GCATTCGTCT    205620

CATGCAAAGG AAAATAGGAA ACGAAGAACT GAAATTACCT ATTGATACAA AATCAAAGTA    205680

GCATTTGAAA CCATAAAACT TAAGTAGGGC TTTTCATCCT TTCTCGTTAG ACAGCAACAG    205740

AGAATGGGAA GAAAAACTAA AGTGATGGGT TTGTGATACA ATTCCAGTAA CATAAAGAGC    205800

AAGGAGAAGT AGTTTTGTTG TGTTTATGTT TAATATTCAA AGCTCAACCT AAAAGTATTT    205860

TTCATTATCA AACTTCCTTC TAGAATAAAT GATTAAAACT TGATTAAAA TATACAAATT    205920

CTCCTTTATA ATACCTCAAA ATGGAGCTAC CCCATTGAGT TTTAAGCTTG TGATTAAAAT    205980

ATTACGAAAA CAAAGGGGAA GTTGTAATAG GTAGAACAAG CAGTAGTCTA GGCATTAGGG    206040

GATCTGGTGC TGGCTCTGTG CATCATGTGG TTTCAGGCAA CTTTTCAAAT TTTCTACGCA    206100

AATTTTCTTA TCAATAAAAT AAACAGTTGG GCCAGAGGAT CTCTGAGTCT CTTTCAGCTT    206160

TCAGTGTTTA TAAGATTGGA GAAGTTGGTG GGAAAGCTTT AAGTGGAGTG TAAGTAATTG    206220

CAGCTGCATG TACAGTTAAA GAGTTGCCTT CAGCCAAGCC ACGGGATCTT GCATAAAAAG    206280

TGAAATCAAA TAGAAAATGG TCCAAACTCT GGGTTTGACC ACAGATGACT TCAGCTAGGA    206340

TCTGAGTGTA GAGCAATGAG CTGAACTCCT GATATCCAGA TGTTAGCAAG ACTTGGAGGC    206400

CTTCTAAGGC AGAGCAACAA CCAGTATCTG TCCTGGTGCT GACCTGATCT TACTAGCAAT    206460

TGGGCCTCCA TTTGGGTCCA TTGTACAAAA CAACAACAAC AACAACAATA AAATCTCCAA    206520

ACACCCAAAA TTCAAAATTT AGATGGAGAG ATACTATTCC CAGAATTCTA GAGATATTTG    206580
```

```
GAAAGCAGAA AACTATACTT GCCATGCTGA TGAAGTCCAA TTATTGCTCT TTTAAATACA   206640

TTTAGCTACT TCTGAATATA AAATGAGTAT CTACTAATTA TTTACAAAT CACTTGGTAA   206700

ATATAGAAAG TCACAAGAA TGAAGTGATC ATCCTGTTTT GTAACCCAGA AATAGTCATT   206760

ACTGGCACTT GTGTGAATCA GTTTCTATTC CTGTATGTGG ATGTGCACAG CGTATCCTGC   206820

TTTGTACACT AGAGTACTAG CATTTTTCTA ATGTAATTCA ATATTGTCGA AAACATTTTA   206880

AAATAGCTTC CATCACAATA ATCTATCAAA TTGACTTGCC AGACTCTCAT TATTAGGTTA   206940

ATTTATCTCT AACATTATGC AGTCATGAGT AATACTACAA AGGATATTTT TGGACACAAT   207000

TTTTCATCTA TGCCTTTCTT TATAATCCTT CATCCTAAGG TCACAGATTA TGAATATCTT   207060

TAAAGTACGG ACAAGTCTTT TAAATTTTGT GTGCAAAAC AGTGCAAAGC CTTGAATGAT   207120

AAAATAGAGG TTTGATATAT GTGTTTTTTT GTTTGTTTGT TTTGAGACGG ATTCCTGCTC   207180

TGTCCCCCAA GCTGTAGTGC AGTGGCACGA TCTTGGCTCA CTGCAACCTT TGCCTCTTGG   207240

GTTCAAGCAA TTATCCTGCC TCAGCCTCCT TAGTAGCAGG GTCTACAGGC ATGTGCCACC   207300

ACACCCGGCT GTTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCATGTTG GCCAGGATGA   207360

TCTCGAACAC CTGACCTCAA GTGATCCACC CACCTCAGTC TCCCAAAGTG CTGGGATTAC   207420

AGGTGTGAGC CACTGCACCC GGCCGATACA TGTGTTTTTA AAGTCACAGA AATTTCAGAT   207480

GTCTTGAAGG ATTTTAAGCA ATTTAAAAAA TAAAGTCATA GAAGCTTCAA TTTAGGAATG   207540

AATGGAAAAT TGATGATATT CTTAGGATAT GGATTTTTCC TAAAAGAAAC AAATGTATGC   207600

ATCCCCAAAG ATAATTTGAT TAGTATACAA ATATTAAATT AAACATGTCC ATATTTAGAG   207660

CCATGAATTC TCTTTGCCTG TCACAATAGC TGGATTTATT CACAATTGTA GTAATTAGTC   207720

CCTGTTCATT ATAATTTTCT AGGTGATATG AAGACTTTGT CAGTCCAAGC AAGTGTCCAC   207780

ATTGTGTGTA GCAAACATGA GAATAAACAT TTTAAACTTT TAAATGTAAT ACATATTAGT   207840

GTTATGTAAT GTCATCCTTC ATGTTCGAAG GCACATGGAA CATTGTTCTG GTGGTACAGA   207900

GGGGAGAGAA ACACCATCAG AATGAAAGGA AAGACCGCTC TGGAACCTTC CTCCTTAGCT   207960

CTTGAGCTTA GTTTAATTGT CCTGTCTTAT GGTCTGCTAC AAGCAATACC ACTCTTCACC   208020

TTCGCATGCT TCTCTGTGGT TTGATAAAGT ACATGCAATT TTTCATTTAA TTCTTCCAGC   208080

TGCACTAAGA AAGGAGCCTT ATCTTTATTG AACAGATGAG GAAATGAATG ATTAGAGAAT   208140

TTAAATGACT AGCTCTAGGT CACACAGCTG GAACTTACAG CCAGATTTCC TTTTAACAAT   208200

CCTGTAACCA AAAGCATACC AGTAGTGCCC CATAAAATGT AAGTTATAGA GCTGTGTTGG   208260
```

-162-

GTCAAAACTT TTACTGATGC TAAGAGGAGG CAACATTAAC AAGGGGAAAT TATTTGTGTA 208320

TTATGTTTTG GATTATGTTC TCTCCATAGA TAAAAGACTG TCGTAGTAAA AGAGATTCAG 208380

GGCACAGGGA AACTCCACCA CAAAGCGTGG TACCATTTCC CACAGAAGCT AAATGGACGG 208440

GAAGCCTGCC ACCAGGAAAG GTAAAGCCAC TGCTCTTGTT TGCAGGCTAT GTTAATAAGC 208500

TGAAGCTTAT TCCGACACAT TTACACATCT CTGCATCACA CTGACCCTTC GTAAAGATAC 208560

TCCCAGTGTA ACATTGGAGC CAGCTCCAGC CCCTGATCCT GTTGCTTTTT CCTTAGCCCC 208620

ATGAAATCAT CTGTGAGAAA TTAAGCCAAA TAAGCAATAA ATCCTGGGAT CTAGGGAGTG 208680

GAATAAGTTT TGGGAAAGTC TTTTTTTTTT TTTTTTTTGA CTGAGTCTTG CTCTGTCTCA 208740

CAGGCTGGAG TGCAGTGGTG CGATCTCGGC TCACTGCAAC CTCTGCCTCC CGGGTTCAAG 208800

TGATTCTCCT GCCTCAGCCT CCCGAGTAGC TTGGACTACA GGCACACACC ACCATGCCCA 208860

GATGAATTTT TGTATTTTTA GTAGAGATGG AGTTTCGCCG TGTTAGCCAG GATGGTCTCG 208920

ATCTCCTGAC CTCGTGATCC ACCGGCCTCG GCCTCCCAAA GTGCTGGGAT TACAGGCATG 208980

GGCCACCACG CCTGGCCCGG GAAAGTCATT TTAAACCAAC CTATGTATGA ATCCCTACTA 209040

TAATATTCTC ACCAAGCGGC TGGCTCTTTC TCCTGAGCTT GGAAACCTCC AGTAAAATGG 209100

AAATAATTAT TTCCCAGACC ACCACTCTTA TCTGTGAGCT TTTTTGGCCA TTAAAAATTA 209160

TTTCTTCCAT TATATTTTTA TCTGTGTCTT CACAGGTTTT CTCTTTCTTT CACTTTAGTG 209220

CTTTTCTTCA AATAAGCAGG AAAAATCCAA TCTATCATGC ACATGGGAAC CCTTTCAATA 209280

TTGGTCTGTG GTTGTTCCAT TTTATGGGGA TGCTTTTAAA GAAAAAATTT GTCCTTTCAA 209340

TATATTGAAT ATCTTCCAGC ACCACATCAC CTGCAAGCTT TGTAAAAATA GTTCTACATA 209400

TTAATTTTTT TTTTTTTTTT GAGATTGAGT CTCATTCTGT CACCCAGGCT GGAGTACAGT 209460

GACATGATCT TGGCTCATTG CAACCTCTGC CTCCTGGGTT CAAGTGATTC TCCTGACTCA 209520

GCCTCCCGAG TAGCTGGGAT TACAGGCATG CATCACCATG CCTGGGTAAT TTTTGTATTT 209580

TTAGTAGAGA TGGGGTTTCA CCATGTTGAC CAGGCTGGTC TCAAACTCCT GACCTCAAGT 209640

GATCCACCTG CCTTAGCCTC CCAAAATGCT GGGACTACAG GCGTGAGCCA CTGCACCCCA 209700

CGTAGTTTTT TTTTTTTTTT AAGTTGAACA TATGTGAAGG CAGGACCTAG TGACACATAG 209760

CAATAACATT TCCAAGTAGA CATTACACTA GGGAATTAGT CGAAGTGCTC ATTTAAAGTA 209820

CCATCTCTCA AATGTATTAA AAGAGAATCC TTGGATGTGC AATACCTTAA TTCAAAGGCA 209880

GCTCGTTATG TATAAACTCT CAAGCTTTGT GATAAACAAA TGTGCATAAC AGATGGGACT 209940

```
ATTCACTTAC AGCCCAGGGA ATTTTATTGA CGCTGAGAAG GTTATGTGAC TGGCTCTGCC    210000

ACTGTCATCC CCATTCACTT CATTTTGGAG CAATATGACA TAAATGCCTT ACATGTGGGT    210060

TTTCTCTATT TATCATGTGT TTCCTATCCC CTTGAAAGAT GGCCATATTT GCTTTACTTG    210120

GTTATAAGAT CCCATATTCG CTGTCTTGAA GCCAACCAAA TAATTTGACA AAGTGGGTTT    210180

GTAGTGCTGG CTATTTTGGT GAAAAAAGA CAATGAGACT TCATGTGTCA TCCAAAGTTC    210240

TATCAGATCG AGCTGTGAGA GAAAGGAAAA GAAAGGGGTC TCAGTCAGGA TGCTCACTAC    210300

ATACATCTGT GTTGTTGTCT AGGTCCAGAT TTCTGTTCAT TACGCTATGG GCTGGCTCTT    210360

ATCATGCACT TCTCAAACTT CACCATGATA ACGCAGCGTG TGAGTCTGAG CATTGCGATC    210420

ATCGCCATGG TGAACACCAC TCAGCAGCAA GGTCTATCTA ATGCCTCCAC TGAGGGGCCT    210480

GTTGCAGATG CCTTCAATAA CTCCAGCATA TCCATCAAGG AATTTGATAC AAAGGTAAGT    210540

ATGATGGAAA ATAGGGCTCT TTGTTGAGAG AAAAAACTTT GAAAGGAAGG CATAGATCTT    210600

GATTCTGTGG AGTATGGAAG TATACATTTC CAATGACAAA TTAAAACTGA CTGGAACTAT    210660

TTTTCTTTGA GACATTGCTT ACTTCAATAA TAAAAATAAG ATTTCATTGA GGTTATTATG    210720

ATTATAAGGT GGGGGAACTG TAGAGTTAAA TGTGAAAAAT TTAAAAATGG AACAGTTTAT    210780

GTGATGTCTT CAATGAAAAA CTAGGTATTA CCTGGGCACA TTCTTATAGG TTACTCAATC    210840

CTATTCAGTT CTCTGCCTGT TTTATTGTTT CTGAGCAATT TTATATCCCT GTAAATTCTA    210900

TATAACCAAT AGAAATGCAA ACGATTCTTG TCCATAGCTT TGCAAATAAA TTTTGCCAAG    210960

AGAAAAATCA GTTAAAACTT TTCTCCACTC ACCTCCCAGT TGAATTAGCC AATTTTGCTG    211020

TTTGTTTGTT TGTTTGTTTT TTGAGATAGA GTCTTCCTCT GTCATTCAGG CTGGAGTGCA    211080

GTGGCATGAT CTCAGCTCAC TGCAGCCTCC GCCTCCCGGG TTCAAGAGAT TTTCCTGTCT    211140

CGGCCTCCCA AGTAGCTGGG AGTAAGGGGG CATGCCACCG CGGCTGGCTA ATTTTTGTAT    211200

TTTTAGTAGA GACAGGGTTT CACTAGGCTG GTCTCGAACT CCTGACCTCA GGTGATCCAC    211260

CCGCCTCGGC CTCCCAAAGT GTTGGGATTA CAGGTGTGAG CCACTGTGCC AGGCTCTGCT    211320

GTATATTTAA AGTCTATTTC AGCATTGCTT CCTGCTTGTG TTATGCGTGA TTCTTTGAGT    211380

TTTCCTTTGA ACCAGTTATA ACATCTTACT TACTTCCTCC ATTAATCAAT GAGTTAAATA    211440

AAATCTTTGT TGTATGTTTA TTTTACATTT ATATGAAAAC CATGAATTTA CCCAATTAAA    211500

AAAATTATCC TTTAAATTAT CTTGTACTGT ACATTCCCA TGTCATCCCT ATAATTCATG    211560

ATTAATGATT TTATTACATT GGACCTAGCT TATTTACAAT GAGTACATAA ATTTATTGTC    211620
```

TCCAGTCTTT CCTCCATTAT CCCGTCTACA TATCCACACT GAGTAGATTC ACTACTCAGG 211680

AATCTTGGAC ACCTTCAAGT TGCCAAACAT GCAGTGTTCA CTGGACATGC TGTGTTCCTT 211740

CAGAATTTGG GCCTGCTTCT CAGCACACTC ACATCTGCTA TCAATGACCC ATGGAAAGTT 211800

TTTGCCCTGA GCAAGCCAGA GTCCCTGTTA GTTTCTTCCA AATGCTACAA GTTCACTTTT 211860

GCTATTTTTT CCGATGAGAT AAAATTTTCC TTTTTGACTT TCTACAAATC ATAGTCATTT 211920

TTCAAGGGAT AGTTCAAGTA TTGCTTCCTT TCTGGGACCT TCCCAAATTA TTATTTTCTC 211980

CTCTCAAAGT CTCTGTTTTA TTTATGTTCA TCCTCAAATC TTGATTCTCA CATGAATCAT 212040

ATACCTTGTA TTATTTATAG TTTTTTTGAG TGGGTAAAAT ATTTCATATT TTATATTCTT 212100

TGGCTCTCTA CTTTATAGCA TGATGCCAGA TATTTAGGGG CCTTATTGCA TTTATTTTTT 212160

ATTTTATTTT AAAATCTATT TTATTTTTTA TTTATTTATT TTAAAATCTA TTTATTTTTA 212220

GGTAAATATT CAGGTAATAT AATTTATGTA ATTATTTAGG AATTTTAGGT AGTTATTTTA 212280

AAATAATTCA AATTATTTAT TGAGTTATAT CAGAAGAATG TGATCTTATT CATTTGTAAT 212340

ATGTGTTTTA GGAACTCAGT TCAGCCAGGG CAGACCATGA TTCCCAAACT TGACTTTTCT 212400

TTTTAATTAG GCACTGATTT TGGTTAAGAG TTCAGTAAAG TTTTGTGTGT GTGTTTTAAA 212460

AAATTCTTTG ATATAAGAGT CAAGATGTTA CTCAACTTTT ACTAGAAGCA AAATAGAGGA 212520

AGTGCTTTCA CAGATGAAAT ATCTCTCAAT GTTTTCTTCC ATTTACTTCT TCCTATTATT 212580

CATCTATATA ATCATTTTCT TTACCTCTTT TCTTCATTTC TTCTGTTTTT CTCTCCTTCT 212640

ACTAAGACAA GCAAATTAGG GGTATAATTG GTTATTTGGG AAGGTAGGAA GAATATAGAG 212700

AGAAACAAAA ATCAATATTT TATACTAGGG TCTCACTAAC CTCAAGCAAC TCTGACTGTA 212760

AAGTAGATTT TCATAATAGG ACTTCTTGAC AAAGAGTTTT CCTATTTTTC CCCCAGGCCT 212820

CTGTGTATCA ATGGAGCCCA GAAACTCAGG GTATCATCTT TAGCTCCATC AACTATGGGA 212880

TAATACTGAC TCTGATCCCA AGTGGATATT TAGCAGGGAT ATTTGGAGCA AAAAAAATGC 212940

TTGGTGCTGG TTTGCTGATC TCTTCCCTTC TCACCCTCTT TACACCACTG GCTGCTGACT 213000

TCGGAGTGAT TTTGGTCATC ATGGTTCGGA CAGTCCAGGG CTTGGCCCAG GTATCCAGAT 213060

ACTTTCTCAT TCTTGGTGGG ATCCAGATTT CTGAATTCTA CAAAATATCA AAGGTCTTAA 213120

TGATTTTCAT TTCAGGGAAT GGCATGGACA GGTCAGTTTA CTATTGGGC AAAGTGGGCT 213180

CCTCCACTTG AACGAAGCAA GCTCACCACC ATTGCAGGAT CAGGTAAGTG TGCACAGATG 213240

GGTCATAGCT TTGTCATCTG TTCCATCCCA CTGTGTCTTA TCTTCTATGA ATCAAATGGT 213300

-165-

```
TTGGGGAAGA GAGAGAAAAA GTACTGCTGA AAAATTCAAC AATATAAGAC ACTTGCATCA    213360

CAAATAGGAA AGATGCATCT GTGCAGTAAA GACATTGAAG CTTAGAAGTA GAAAAAACCA    213420

TTGTGAGCTA GGTTTCAGCT CAGAAAAGCC TTAGTAGTCA GAAAAGCCTT AGTAGTCAGA    213480

AAAGCCTTGT CGGAAAAAGT TTAAACCTTT AAGAATTGCA CACATGGAAA AAGATCAAGT    213540

AAGCTATATA TACACCATCT TAGCAATGAT TTTGAAGTGA GAATTAAGGC TACCACAGCT    213600

CCAGGTGGTA AGGAGAGAAA TCAGGCTGGA AGAGTTTGAA GTTTCTGTAT TATTCTAAGC    213660

TCTTTACTAT TCTATTATGA GCTCATTAAT TCTCACAACA ACCCTCTCAT ATAAGTACCA    213720

TTTTAAATTC TTATTTTACA GAGAAGGGAG TTAAGGAAGG TGGAGATTAA GAAAATTGCC    213780

CAAATACAAA TAGCCAGCAG GTGGTAGGTC TGAGATTTAA GCCCATGCAG ATTTTAGCCC    213840

CAGAGCAGAC ATTCTCAATC ACTATGCTAG ACTGCCTTTC CATGGTATGT GATCCTACTC    213900

AGGCCTCTAC AGCTTTATCA TTGCTGTTCT CCCCAGCCTG TCGTGCTGAG AGTATATACT    213960

CGAAGAGCAG AACTAAAATT CCATCCAGCT TCTCACTCCT AGGTCCACTA CACAGCTGCA    214020

TCCTGCAGAC TTTTACCTCA AGCAACCCTC CTGCGTTCTT GCTTCCTTCC ATCATAGTTG    214080

TAACCATCTC CTCTATTTGC AAATACTATC TGCTGATCTC TCTCTTCTAG ACTGGTTTCT    214140

TTCAACCTTC TTCCCACCAA AACCAAGTTA GCTTGCTAAA ATAAAGATGG CACATTTTTA    214200

CTCACCCGCT TGAGAATTTT CAATGTGTTC CTTCATGCTT ACAGAGTAAA GCCTGACCTC    214260

TTTATTGCAT GAATACAAAA GTTCTTAGCC ATCTGGCCCC AACCTTGTTC CACTCAACTC    214320

CCCTGTGCAA GCATGGCTCC AGTGGCACTG GACATTGGCT GCTCTCCACA TAGATCTGCA    214380

CTGCACTTCC CTCTGGCTCT GCTCCCGTTA GTTTATATGC CTGGAAAGTT CTTTGCCCCT    214440

GTTCCTTGTG CCAAAATTCC ATCTATCCTA TTGCATAGCT TATGTAAAAA CTTCCTAAAC    214500

CTTTTTTTTT TTTTTTTTTT TTTTTTTTTG AGACGGTGTC TCACTCTTTC GCCCAGGCCG    214560

GACTGCAGTA GCGCTATCTC GGCTCACTGC AAGCTCCGCC TCCCGGGTTC ACGCCATTTT    214620

CCTGCCTCAG CCTCCCGAGT AGCTGGGACT ACAGGCGCCT GCCACCATGA CCGGCTAATT    214680

TTTTGTATTT TTAGTAGAGA CGGGGTTTCA AGCCAGGATG GTCTCAATCT CCTGACCTCG    214740

TGATCCGCCC GCCTCGGCCT CCCAAAGTGC TGGGATTACA GGCGTGAGCC ACCGCGCCCG    214800

GCCAAAACTT CCTAAATCTT ATAATTATTA TCAATTTATC CTCAGATATA CTTCCACGTA    214860

CATTGTAGTT TTATTATATT TATATTTTAC ATCTTTTTTT TCAAATTTCA GTTTGGGACC    214920

CATTAGTGAG TCATAAAATC CATTGAGCGG GTTAAAATCA TTATTTTAAA AAATGAATAG    214980
```

-166-

```
AATAGAATAG AAATTGTTGG AGTGCATTGG ACATGGTAAA GTTAAATATC GATTCATGAA    215040

ACCATCGTTT GAGGCATATG TGTGTGGTTG TATGTACAAG TGTTTATGCA TATTGGTGTG    215100

TGTGTTATGT TACCCTGTAA AATGCATTTC TTACTATAGG TCTCTGTGAA ATATGTGTCT    215160

TGTTGTTTTT TAATGTAGAC TTCCAAAGCC TACATGGCAT TTCACTAGTG ACAATCAATT    215220

TTATTCACAT TTTTCTCTCC AATTGGACCA GAAGCTCTTT GAGGGCAGGG GCTGTATCTT    215280

ACCGATTTTT GTAAGTCTTT CATTTCCTGC CCCTAGCCTC ATATTAGATC ATGCAAGAAT    215340

GCAACTGTAA TCACAAGAAA ATGCTAATGG GCTGTGATAG CAGAGAGTTA CTGTGACAAA    215400

CTAAGGGATT TAGATTTGGT CACATTGGTG TTGAGGAGCC ATTGAAGAAT CAGAGAGTGT    215460

GTTACTATTA TTTGTTAATT TTAATTATAT CATATTACTT TACTGGGGAA AATCTGTGAG    215520

CTATTTTAGA AATAAATACT CTCATTGCCC AATAATTCTA AGTCTGCCAC CTCACTGTTG    215580

GGACATTGTT TAGGGAGGCC ACGAAGTCTC AGCCTTTGAT ATTTTCATAA GTGTTTTTCT    215640

CCCTTTTTCC TTTAGGGTCA GCATTTGGAT CCTTCATCAT CCTCTGTGTG GGGGGACTAA    215700

TCTCACAGGC CTTGAGCTGG CCTTTTATCT TCTACATCTT TGGTGAGTCA CTTTCTCTTA    215760

AATCCTAACG CCTCCATTTC CTGAGCATCC ATTTTGGCAC CTACACCACC CACATTCTTC    215820

CTATATGAAA GAAAATGTCC TTTATCAAAT GGAAGATGAT AAAAAATGTC AACGGTTGGT    215880

ATCATTTTTA ATCTAGTCAC ACAACCTGAT TAACACCTTC CTGGTGGTTC TGGGAAGCCA    215940

CACGCACAAG GTAGAGGAGT TGACTATTCA CATGGCACCC ACCGACTTGT GATGCAGTCT    216000

TGTCCTTCCA TATCAAGCAC CTTCTGCAGA ATCTCTACCA CCACATCTGA AGTGCCTGCT    216060

ATATGCAGTT AAGATGTCAA AGATAGTGAA GTACATTTTC AATGTGTCTT CATATTTCAT    216120

TATAATTATT ATTTCTGTCC AAGATGCCTT TCACCTGTTC TCTACCAAGT TAATCTTGCA    216180

AAGTTCAATT CAAATGTTCC CTTCCCCATG GGCCCTTCCA GGGCTTACCC TATCAGATTC    216240

TGGCATTCTC TCCTTTATGA TATTTCCTCT CTAGGTTATG TTGGTGTGTA ATTATTTATT    216300

TCTCCTTTTC TTTCCACTAG ACTGTGAAAT GCTTGAGGCA AGGAATCCAT TCTATGTTTT    216360

CATCACTTGG GTGTCATCAT GGTGCCTGAT TTTTAGCTTT AAAATAAAAG AATCAGTGAA    216420

TCCAGTAATT AGAGGGGATT TAAAGAAAC TAGTCCTCAG AATCTTTTAA CATAGAATGT    216480

TCTTCAAATA AGGAATTCCA ATAATAAGAC AATTTTCTAC ACTTGATTTT GTTTTTATAG    216540

CCAAATGGTG TCATTAAATA TAGTCCTGGC CTGAATGGCT TTCTCATTAA TGATGCTAAT    216600

TATTTTGGTT TGTACATGTT AACCAGGTAT TGTACAAAAA TATTTCTTTT GGGAATCCAT    216660
```

```
AATGGATGTA TGGCTTGAAT ACAAATAATA CTGTCTCTTG TAAGTGCATT GGAAATTTTT   216720

CCCTGCCACA TGATTTCATG GAAGGTTGTT TCGTGTATGT ATGACTGCAA ACCTGACTAT   216780

TCAGATCTTC CGCAACAAGA CAACTTATGT GTGCATTAAG AAGTTGCTGC CTAAAATACA   216840

TAACACTGTA ATCATTGGAG ACTTTAAAGT AATTAATCAG CTATGCAATG CCACGCTCCT   216900

GTTATCTCCA GAGGGCTCTG ACATTGACAA ATGGTGGCTT TCTATTTGAG ACGTAATATC   216960

TAAAAAGCTT TAACAGGTTT GTAGAAGGAT TGAAAGAAAG AATGGGAACA TTTAGGTCCT   217020

TATGGTAGAA TAAGCATTAA TTGATTAGTG TGTAGAAGGG AGAGGCATGC CACTTCAGAG   217080

GAAACTTCCT TCCCCAGTA AACAAATCTA CCTAAAAACT AATTTTATCC CTTCTTCCCA   217140

GGTAGCACTG GCTGTGTCTG CTGTCTCCTA TGGTTCACAG TGATTTATGA TGACCCCATG   217200

CATCACCCGT GCATAAGTGT TAGGGAAAAG GAGCACATCC TGTCCTCACT GGCTCAACAG   217260

GTACAGTGCA CACCTTGTAC CTGTGGCCCA TGCAGAGGTC TCTAGGGCAG GGTGTGGATC   217320

TCCTCTGAGA GGCACCATCT TGGCTGCTCT AATACTCATG CTGATTAGAT CTTTCTTTTC   217380

AGCCCAGTTC TCCTGGACGA GCTGTCCCCA TAAAGGCGAT GGTCACATGC CTACCACTTT   217440

GGGCCATTTT CCTGGGTTTT TTCAGCCATT TCTGGTTGTG CACCATCATC CTAACATACC   217500

TACCAACGTA TATCAGTACT CTGCTCCATG TTAACATCAG AGATGTGAGT TTACTTCCTA   217560

TACTTCTACG AAAATGATAA TGGTAATAAG GAGAAACAGT TCTGTGTTAC CTATTACATT   217620

CTGGCTTTAC ATATAACCAT TAATTTAACC TTCACAATGA CCTTGAGAGA GGCATTGTTA   217680


TAATTCCCTT TTCACAGATG TGGAAACAGG ACACTTAGAG GTGAGATAAC TTGCCCCAGG   217740

TTGCACAATA CTAAGTGATA GAGCTGCTGC AGCATCCATA TTCTTAACCA CTATGCTATA   217800

CTACCACACC AGCTGATTCC AAAGCTTCTT TTAGAAATAA TATTGCTGGG CCAGGCATGG   217860

TGGCTCATGC CTGTAATTCC AGCACTTTGG GAGGCCGAGG CAGGCAGATC ATGAGGTCAG   217920

GAATGCAAGA CCAGCCTGAC CAATATGGTT TACTAAATAT CATCTACTAA AAATACAAAA   217980

ATTAGCCAGG TGTGGTGGCA GGCACCTGTA ATCCCAGCTA TTCAGGAGGC TGAGACAGGA   218040

GAATCGCTTG AACCCAGGAG GTGGAGGTTG CATTGAGCCA AGATCATGCC ACTGCACTCC   218100

AGCCTGGGCG ACAGAGTAAG ACTCCGTTTC AAAAACAAAA AACCCAAGAA ATTAATATTG   218160

CTTTTATCTG GAGCCCAGAG TGATGCAGCT TCTGGCCCTC TTATCTGAGA CAGTGTTCTT   218220

TTAGTGTGAA AAAGGATGCT AATTTTCCCC CAAACAACCC ACAGTATCAT GGGGGTAAGT   218280

TAATGGCTGG TCTGTGTAAC TGACAAATTT TGGTGCTAAC GTATCTCTAT AACTACTCTG   218340
```

```
TATAAACTTC CTTCCTTCAG AGTGGAGTTC TGTCCTCCCT GCCTTTTATT GCTGCTGCAA    218400

GCTGTACAAT TTTAGGAGGT CAGCTGGCAG ATTTCCTTTT GTCCAGGAAT CTTCTCAGAT    218460

TGATCACTGT GCGAAAGCTC TTTTCATCTC TTGGTAAGGA TAAGCGTGTG GGCCCATTTA    218520

ACCAATCCCT TTTCTGCACA TGGTCTCAGA GGGTTCCCTG ACAGCATGTC CTCATTGCCC    218580

AGGGCTCCTC CTTCCATCAA TATGTGCTGT GGCCCTGCCC TTTGTGGCCT CCAGTTACGT    218640

GATAACCATT ATTTTGCTGA TACTTATTCC TGGGACCAGT AACCTATGTG ACTCAGGGTT    218700

TATCATCAAC ACCTTAGATA TCGCCCCCAG GTAAGAGCTC TACCTGTTTT TTCCCCTCCT    218760

CCAGACCCCT CCAGAGGTGT TAGACCTCAG TGGTCGCCGT GAAACTCTTT AATGTTACTG    218820

ACATTGCACT AATGGCAGAA TGACAAATAA CTACAAATAT CTGTCTGTGG CCATTTTTAG    218880

AACAACAAAT GTGGCATTTT TAGAACAACA ATTTCCAATC TTGGCCAGTA ATCATTTTGA    218940

CAAAAACCTT CCCAAGCTTC CCTAACAGAG ATTGAACTGT GTATGCTGGG AAAAGGCCCA    219000

CACACAGGTG ATTTGGAAAA GTTTCCATGG TGTTGTTCAT ATTAGCTACC ATATATATAT    219060

ATATATATAT ATATATATAT ATACAGTCAC AATAAGCCAG CTCCTGTGCC AAGACTTGCC    219120

ATATATCAAC ACATCTAATC CTCACAGTTA TATTAGGTAG GCCCTATTGT TATCCCCATT    219180

TTATAAGGGA GAAGGCTGAG GCACAAGGAG GTTAAATGGT GTGACTATGG TCACATAAAG    219240

GCAGAGCCAG GATTTGGACT GGGGGAGTCT GGCTTTGGAG TCTGTGTCCT GCCCGTTGCA    219300

CAAACTGGCT TCTCCACTGA GCAGCCGGGG TAAAGAAACG TGGTTCCCAG AGAGACTGCA    219360

TTGCTCCCTG GTTATTGACT TGGTAGATTG GTAATTTCAG GTTTGGCAAA TAGACATTGC    219420

CCTGAATGTC TTTAGGTGAA TGAAAAACTG CATTAAGCAA AATGACTTTG CCATTAGAGC    219480

TGAATTGCAT TAAAGTTGAG TTGCTGCAGA AGCTGTAGGT GGCTTTCTAT ATAAAATCAT    219540

TTATAAAATC ATCTTCCCAC AGATATGCAA GTTTCCTCAT GGGAATCTCA AGGGGATTTG    219600

GGCTCATCGC AGGAATCATC TCTTCCACTG CCACTGGATT CCTCATCAGT CAGGTTGGGC    219660

CAGTTTATTG AACATCTTCA AGTGGCAGGT ATTGTTTTAG GTGTTGGAGA TACACACGGT    219720

GCTCTAAAGA TCTGGATGGC AACACAATTA CTCTATTTAC ATGAGCCTCT AAATCAGACT    219780

CTGGTAGGTC AGATTTCCCA GAGGAAGAAA AATATAAGCT TATTTTCTCA AGATGAATAG    219840

ATGTTAGATT GATTAAAATG AGCTGTTCCG GTGCAGAAGA CAGCACGTGT GACTTCCTAG    219900

AGGTACATGA GCATGAAACA GTTCTTAGTT ATGACCAGAA TGAAAGACAC ATGTCAAGGA    219960

ATAGCAAGAG ACGAAGACAG AGGGGCAAAA GAAGATCATG AAGAATATGT TCAGACTAAT    220020
```

```
CCAATTTTTA AAAAATCACA AAAGGGAAAC AAAGTGTCCT AGGCCAGTTT AAAGATAATT    220080

TAATGTCTGG AAACAGATCG GCTGTGAGAC ATTGCAAGGA GGCTTGCTCG GTGTTTGGAA    220140

ATGCAGGCTC ATGAGGAAGA TGAAAAGACA GACCCAGGCA GGGATGGAAG GACTGACGAG    220200

AACCAACTTA CAAAGAGAAG TTTTGTTTTT ACTACATTTC TATGTGATCA AGTTCCCAGG    220260

TTAATATTTG ACTAAACTGC TAGGAATCCA CTGTGACTAT AATGCTGGAA ATGACTTAGT    220320

AGGGCTTTCT GAGGAGGGTC ACACAGAAGA CCAAAGAGAA CTCATGTTGA ATTGAGATGG    220380

GTTGTAGTGA TAGTTGTCAA CAGCCAATAC AGAAACAAAA AAAAACAAAA CAAACAGCAA    220440

CAACAACAAC AAAAAAAAAC AGAGAAGACA CAAACACAAT GCCACAATGC CATTTTAGGC    220500

ATAATTTTAA ATGAGTAATA TTATATGTTG AAATCCAAAT TTTCAGAAAA ACATTAGTGT    220560

ATTTTATTTT TGTTTAAAGA AATAACCATC TCAACTCAGA ACCCCATGTG CATTTTGGCC    220620

ATTTTGTTTC CAATAGTTTC ATAAACTTTC TTAAGTAACT ACTGCACATT GTTCCTTATA    220680

TTCCTTGTGA TCAACATTGC AATACACAAC TGGGAGGGCT ACTAGAACTG GTGTAGAAGG    220740

AACTTGTGAG ATTGATCATT TTCTCTGTTT TTTACATCTA GGATTTTGAG TCTGGTTGGA    220800

GGAATGTCTT TTTCCTGTCT GCTGCAGTCA ACATGTTTGG CCTGGTCTTT TACCTCACGT    220860

TTGGACAAGC AGAACTTCAA GACTGGGCCA AAGAGAGGAC CCTTACCCGC CTCTGAGGAC    220920

ATAAAGTTAC AAACTTAAAT GTGGTACTGA GCATGAACTT TTTAAACATT TTTTACTTCT    220980

CTCCATATTC CTGACCATAG ACTCAGCAGT TCTTAACTCT GGCTGTGTGT TAGTCTTCCC    221040

TGGGGAGCCT TTATAAGACA CTGATACTTG GGACCCACTC CAGAGATTCT GAATGAATTG    221100

GTCTGGGGTG GAACCCAGAT ACTACTAATT TTTAGATACT CCTTAGAGGT TTCTAGCATG    221160

CGCCCGGGGT TGACAACAGC TGGACAAACT TGAAAAGTCA ATTCATGTGG CCTTTGAATT    221220

TTCCTCATTG GAAAGTACTA AATAAATAAA AATTCATGTG AAAATGATCA CTGATAAATA    221280

TCTTCATGGT GGGGCAGGTT ATTGGATGCA GAGAAGATCT GCTCGGAATT GTAGCCATAT    221340

GTTACAGATC TCAGCACCGA TCGGAACTGT AAAGCTATAA TCCCCAGAAT TAAAGTTTTT    221400

ATTATTTTTT ATACATTGTA AAACATAGAC GTTTATTTAT GTGATTAAAT TCTATTAAAA    221460

TTTACATGCT AAAATAAAAT AGACCATTTT CAAATTATTT AGATCCAGAT ATTTCCATCA    221520

GATTAAACAG ATATTTATTT ATCCTAGCCC AATTGCAAGA GATTAATGAT GAGAAAATGA    221580

CCAATACAAG ATTAAATAAA TGAGGTTAAC TTAGAAATCA AGGACAGAGA AGATAGAACT    221640

GGAAGGCTTG TATTGTGAGA AGAATGAATG TGAAGGAAGG CAATGTAGAC ACTTCCAGAA    221700
```

```
GGGATAGCAA TATAGTTTAG ACCATATAAT GAAAATTGGA GAGAGATGAC AGAGACACTT    221760

TCAAGTGAAA TGACAATTTA TATGGGGGAG AAAAATATTG AAGACATAAC AAGATGAGAA    221820

AAGGCATAGA AATGTATCAC ATACAAGGCA TAGAAGTGTA TCACATACAA GAGAAGTTCC    221880

TTTTGAGCGT AGAAAAAGAT AATTTAACCT TCTTCATATT TTTCTTACTT TCCCAAGATA    221940

CTCAGATAGG CAGCGTCAAC TCTAACAGGA ATTAATTTGG CTCCTAACAC TTAAGACATA    222000

TCCTTTAGTT TGTCTCCTCA CACAGAACTG ATTCTGGTTT TGCCACAACA TGTCTAGAGA    222060

AGAAGTTCCC ACCATATTTT AAATCCTATT AAAAAACTGC TTGGACAAGA ACCTTGGGTT    222120

AATTCAGCAG ATGAAGAGAA TCTCCTAATG CAAATCAATG GGTATTTTTG AGCAAGTTTT    222180

TCAGAAAAAC AGAGTGTCAG GCCCTGAGGG TGGTACTAAG ATGAGAACAT TGATTTTGCC    222240

TTCATGATAT TGACAACACA AAGAGGAAAG GGGGTTTGCA GAAAACTAAA AGAAGAAGTA    222300

GAAGAAAAAA GAAAGACATA GTATAATAGG TAGTCAAATT ATGTACAGAA AAAAGAGAAA    222360

AAAAAAACAA AAAAGGGTGG GGGACAGACA ACCCAACTAA AAAATGGGCC AATGACTTGA    222420

ACAGGGACTT CATAAAAGAG AAAATGTAAG TGGCTCCTTA ACATATAAAA AGATGTTCAA    222480

CTTCATTAGT CATTACAGAA ATGAAAATCA AAACTACAAT GAAATACCAC TATAAAATTA    222540

ACTAATGGAT AAAATGAAAG GAGATGGAAA ACAAAATGTT GCCAGACATG TGGAGCAACT    222600

GGAACTTTCA TACGTTACGA ATGTGAACTT TGGAAAGCTG CTCGGCAATA TCTCCTAAAG    222660

CTAAATGTAC AATTCCAGTG ACTCAAACAT TTTACTTAGA AATGCACATA TACATCCATA    222720

AAACATGTAC AACAATGTTC ATAGGAGCAC TATCTGTAAT AGCCTGAACA GGAAGTTGTC    222780

TGTTAAAAAA AGAATGAGTA AATAAACCAC GGTCTATTTG TATAGCAATG AGAATTAACA    222840

GACCCCAATA TATAATAGAT GAATGGGTCT CATAAGCACA ATATTGATTA AAGGAAGACA    222900

AAACGCACAT TCTTTTAAAG GTTTATAAAA TACTTTTTAA AAACAGCTAC AACCAATCTG    222960

TCCTGTTAAA AATCAGTGAG CGATTTCCCT TGTGCAGGGA TGGGGGTTGT GGCTGGATGG    223020

ATGGTACTTA AGAAGTGCTC CTGGGGTACT AGAAATATTT TATTTCTTGA CTTGGATGTG    223080

TGTTACTTT GTGAATATTG TACATTATG ATTTGTGCAC GTTTATGAAT GTAGAAAATA    223140

AAACAGAAAG CAAATTCAAA GTATCATCCT TTTGAGAGCT TCTGCTCTGA CTTCGTTTTG    223200

ACCAATGGAG CAGTTGGGAA GGGGTCTTGG TCCTTCGGTC CTTTGCTTTT TTTTTTTTTT    223260

TTTTTTTTTT TAGACAGAGT CTTACTCTGT CGCCCGGGCT GGAGTGCAGT GGCTCGATCT    223320

TAGCTCACTG AAAGCTTTGC CTCCCGGGTT CATGCCATTC TCCTGCCTCA GCCTCCCCAG    223380
```

-171-

```
TAGCTGGGAC TACAGGCACC TGCCACCATG CCCGGCTAAT TTTTTGTATT TTTTAGTAGA    223440

GACGGGGTTT CACCATGTTA GCCAGGATGG TCTCGATCTC CTGACCTCGT GATCCGCCCA    223500

CCTGAGCCTC CCAAAGTGCT GGGATTACAG GTGTGAGCCA CCGCGCCCGG CCCCTGGTCC    223560

TCTGCTTTCA TGTTCTTCTT GGTCCTGTTC CTCCTCCTCT TTTGTTGGAA CTTCCAGTAT    223620

CAGAGCAGGA AGGAAGGCAA TGGGTCAATC GATGCTGTCA GCTTTTGGAT CAAACTGCAA    223680

GTTCTCAAAC AGCAAAATTA ATGAGCTCAG GCTTTGAAGA AACCATGACC CTGAAAGCAT    223740

CAGTTGCTTC CAATTGCATC AGTTGCCACG GGTGATAAGA ACAATGATGA CTCAGAATGC    223800

CTAGGTTTTC CCAGCAGCTT CTCTGAGGTT TTCCCAGCAG CTTCTCTGAT TGATTCCTGA    223860

CAGATGACTT CGGTGTGTCA GACTTTCAGG GTATCTTTCC TTATGTGATG GTTTGAGGAA    223920

GAGTTACCAT TCACATTCCT AATGGCTTCA GAATAGATGC AATTGTGAAC TGATAGGAAA    223980

CATTTCTAAT TCATCTCCCC TCCCCATCCC TAAAGGATTG TTTCTAACAA TAGTCATGAA    224040

AATTAATTCA CTTTTCTCAA ATAGTTTATT GTCATCTACC TAATGATGAG ATGACTTACT    224100

TTTTCTCCTT GACTGTTAAA TATTATGAAT TATATTAATG TATTTCTTAA TGTTGAGCTT    224160

TCCCTTGAAT ATTCTTTTGA TGTACGACAG AATTTGATTC ACTAATAGTT TATTTAGGAC    224220

TTTGGCTGAT GTACTGATAT ATGAGATTGG CTCTGTATGC ATACATGTGT TTTGTGTATC    224280

TTTTTTGTGT CTGGATATGG AGCTTATGCT GATTCAAAA ACAAGAAAGG AGAACTTTCC    224340

TTTTTCCCCA TTACTCTGAA AAAGATTGAC TAGAATGGAA TTTTTATAAT TGCTGTTGTT    224400

ATTTGAAAGC TTGAAAGCAT TGGTTTGTAA AAATCATGCA GGCTGAAAGC CATTTTGAGG    224460

AGACTTTGAT AACTTTCTCA ATTTCCTTCA GTTACTGGTC TTTTAAGGGG TTTTATATTT    224520

TTCTTTGATC AATTTTGACC ATTTATGTTA TCTTGGAGGA TCATCTATTT TACACACTAT    224580

TTAAAGTATA TTTGCAAAAA TTCAACTGTT TTATCAGGCT ATCTTTTTAA TAATATATTC    224640

ATTTTATCTA TATCTGAGGT TTTAGCTTCT TTGTACTTCT GACCCAATTG CATGTGTGCT    224700

TTCTTTCTCC TTCATTAGAC TACTTAGTCA TTTACTAATT TTAAGAATAG CTTGTCTTTT    224760

ATTTATTTAC TTATTTATTT TTGAGACGGA GTCTCACTCT GTCACCCAGG CTGGAGTGCA    224820

GTGGCGCGAT CTCGGCTCAC TGCAACCTCC GCCTCCCGGG TTCAAGTGAT TCTCCTGCCT    224880

CAGACTCCCG AGTAGCTGGG ATTACAGTCA TGCACCACCA TGTCTGGCTA ATTTCTGTAT    224940

TTTTAATAGA GATGGGGTTT TGCTATGTTG GCCAAGCTGG TCTCAAACTC CTGACCTTAG    225000

ATGATCTACC CACCTTGGCC TCCCAAAGTG CTGGGATTAC AGGCATGAGC CACTGCGCCC    225060
```

```
AGCCCTGCTT GTCTTTTTAT TTTATATTTG ATTAGCTTTA TCTTTTATCA AGCTTATGTC    225120

CTATTTCCCT TTGCTTTACT TCATATAAAT TTTGTTTTGG ATAGTTTATT TATTTTTCAT    225180

TTAATTATGA AACAGGTTAA AGCTTAGAGG AAAATTGCTC CTCTAAGTCC AATTTTGTGG    225240

GCAGATTACA TTTTGCTGTG TTGTGCTCCC AAATTCATTG TTCTTTTAAT GCTTTATTTC    225300

TCAAGTTAAT AACCTATATA GTAAAAAGT GGCTGTTGAC TCTCAGCTTT TTTTTTTTTT    225360

TTTTTTTTTT GTAGATACAG GGATCTTGCT GTGTTGCTCA GGCTGGTCTG AAACTGCTGG    225420

CTTCAAGGGA TCCTCCTGCC TTGGTCTCAC AAAATGCTGG GATGACAGAC ATGAGACACC    225480

ATGCCTAGCC ATGTCTCTCT CCTTATATAT AATAAGAAAA CAGACACACT GAGGCATCCT    225540

ATCATCTCAC TCTTGGTTTC ACTACTGTTC TCTGGAAGTT TTGCTCTGAC CTTTTGCAGT    225600

TAATGTATTA ATTTTGCATT GAGTAGTTTC CATAGAAGAA TTATAGCATT TGCATTCTGT    225660

TGGGTATTAT ACTTTTCACT GTTATTTGAA CATAATTTGA GGGCTGAAAC CAAGATGAGG    225720

CAAGTGAGGT GCCCAGGAAG CAATATTTAA GGAGGCATCC TTTCTTAGGC TCATGCAAGA    225780

ACAGAATTGG CACATGAGAG TGAGTGCCTC CTTAATTTTG AGTGCTGGAC ACTTCTTGCT    225840

CACTTAGCAT ACCCCTGGAC AATGAAGTGT TTTTTGTTTT GTTTTTTCAT GTCCATCCTT    225900

TATCCTTCTT CATCTCAAAA CATTTCAATG GAGTATTTTT TTGGAGCAGT ACTTGGATGA    225960

GCCTCTGAGT CCCACAGTAG CTGAGAATTT ATTTCATAGT ACTCTTTATG ATCACTGTGG    226020

AGCCTTAAAA CATTGTAATA TTAACTTAGC TGGGAACAGA AATTTGTTC CACAATTTGT    226080

CTTATTCAGA ACAGTATTGA CTTCCTGCTA GTCTCTTCTG ATGTCCAATA TGAGGAAGTC    226140

TAGTTAGCCA GCTACTTTTT GTAGGAGAGC TATGTTTAGG CTAGGTGCTA TAGGATTCTC    226200

TTTATCCTGG AATTCCTTCA CCAAGATGTG CCAAGGTGTT AATCATTTTC TCTTGCTTTT    226260

TGGCTGGTGG TCTTAGAGTT TCCTTCGATT TTGTTTTATT TAGTGATTGT CCTCAATTTG    226320

TTTTCTTTAC TAAGAATCTC TCTTCTATTT ATCTGTATGG TAAAACCTTG TTGCCCATCT    226380

TTCTGGTTTC TGCTGACTTT CATTTTTGGA CCTTTTACTT TGCTTTCTCC ATGGACTTTT    226440

TGGTAGTGGA GGCAGGCAAA CACTTTCCAA AGTCTTTCTC AATTTCCATC AATTTCAACT    226500

TATTTCCTAA AATTGCCTCA GAATGTGCCT ATGTCCACAA TATCCCTCCT TCCACTTTAG    226560

AAAGGAAAGG CATCCACACT TTATTTAGGT GCAATGCCTG AAGTGTAAAC ACTTTCTGGT    226620

TGTCAACAAA GGAGTACTTC CAAATATTGG TTTGGGGATA ACCTGCTAAT GATTAACACA    226680

TTCACCTTGG CTCTTGGTTT GCCTGCTCCC TCTTCTTTTA TCTGCTGTGT GTATTTTTTT    226740
```

```
TAATCACTGA GAATATGCAC AGTATTGTAT GTTTTATTAT AAGAGAGGAC TGGCCAGAGT   226800

GGGAATGTTC TGAATTCAGA ATAACTGAAG CAGTACAGGA TAGGAACTCA TTCTTTCAAA   226860

TGAAGCTGGC ATATTTTCCC AGAGCACCAA ATTTCAATAT ATATTAAAA AACTTGATAT    226920

GAATGATACA ATAAAGTGGT TAGAACTTTT ATTAAAATAA ACTTATGTCA TGAAATACTT   226980

ATTCTAATTA TAGTCACTCT TCATCTTATT TCATCTTATA ACATGTTTAA TGTTTTCTTT   227040

TATTTACAAA ACAATTTATT TTTTGATGAA AAGTTTTAGA AATCAAGTTA AAAATATTCA   227100

AAGGAATGCC TAAAGTTTTC AAAATTCTTT TACATGTTGT ACAATCAAAA GAGTCTGAAG   227160

ACCATTTAGC TATCCAAATT GTTTATTTTT AAGCAGTATC CCTTCTAATA TTTACTATTT   227220

ATAATCCTTA AAAATTTGCC TTAGCACAGG AGAATTGCTT GAACCCAGGA GACGGAGGTT   227280

GCAGTGAGCC AACACAGTGC CACTGCCCTC CAGCCTCGGC GACAGAGTGA GACTCTGTCT   227340

CAAAAAĀAAA AAAAAAAAAA AAAAAAAAAG GCCAAAAACA AATAAACAAA CAAAAAAATC   227400

CGCCTTAACA TTATTTGTTC ATTAAAAACT TTCTTTAATA CTACTAGTTT CCCTTTCCTC   227460

TCAGCCCATT GTCATATTTT GATTTTATC ACTTGCTTTG TAGGACATAT GAGGTTTTTG     227520

TTTTTTTTTT TTTTTGGAGA TGCAGTCTCC CTCTGTTGCC CGTGCTGGAG TGCAATGGCG   227580

CAATCTTGGC TCACTGCAAC CTCTGCCTCC TGGGTTCAAG CAATTCTCCT GCCTCAGCCT   227640

TCCAAGTAGC TGGGATTACA GGCACCCACT ACCACGCCTG GCTAATTTTT GTATTCTGG    227700

TAGAGACGGG GTTTCACCAT GTTGGCCAGG CTGGTCTCGA ACTCCTGACC TCAAGTGATC   227760

CACAATCCTT GGCCTCCCAA AGTGCTATGA TTACAAGCAT GAGCCACCTG CCCAGCCAGA   227820

ATATATGTTC ATTTGAGTC CTTTAACAAA GTCATAAGAA TTTTAGGAAT TCAGTTACTT     227880

TCTTGAGAAA ATCTCTGAAA AGATGCCAAT AATTTGTAGC CAATTATATT GATTTCTCTT   227940

TTTCATATTG AGAATTGTTT TTTAAAAAGT TTGTATGTGT GAAGATTTTT GCACTGTAGT   228000

TAAAGAAACC ACCTGTGTGT TGGTTAAGCC ATAAGTACAT GTATTCAAAT AAATTGAGGT   228060

GGGGTTACTC TGAGAATCAA AGGAAAACCT GAAGAAACAG GCAGCCTCAA AAGGTCTTAG   228120

CTGTAGCAAC TTGCTCCATT GTTGAAĀTAA ATAGGCTTGA ACTTGTATTT TCCCTCTACT   228180

CAACATTTAA GGTCTCAGAA GATAATATAA TTGGTGAAAT TTAAGTAAAG TGCTCACTCT   228240

TTTGCTTTAA CAAACCCTAG AGAGCTGGTA GGCAGAGCCT CAACAGACCG TTTTAGCTTC   228300

CAAAGGGAGT TCAGGACACC ATGATTCACG ACCACAATAC ATCACACATA ATTGAGAAAA   228360

GATAGTTCCA CCAAATAAAG TTGAAATGCT GACAAGAAGG GGTAAGAAAT CTTGGAAATA   228420
```

-174-

```
AGTTTATATA AAATTTATTT TTTCCTTTTT TATTGTTATG GAATAGGACC AGTTCTACTT   228480

AAGCCACCCA TTTGCCAAAA TAAAGTGAGA ATCGTTTCTT TTGGGGACTC CTCTTTGTAG   228540

CTCCAAGTGC CACTAACAAT TCTTAGGACC TGAGCTATAA GCCAGGTGAT TTCAGTTAAT   228600

ATGATCAATT ATTTCATTTA AATGGCTCTA ATGTGCAGAG GGAACGGAGC CCATCAGCAT   228660

TCCCTGCAGG GAACTGCAGT GGCTTTTATC AACTTGAACA GCTAGCTTTC AACTGTTTTG   228720

AAATCACTTT CAGGGTGGTC ATGTAGTTGC TTTTTTGAAA TCAGAAGATG ATTCTGCCTC   228780

TTTTAATATG TGACTCCTCA GATTCAGAAA GTGCTCGCTA GTCTTAAGAG TGAATTACCC   228840

TCAGTGGTCC AGCGCTTATG AACCCACATC TAACCCTATC CCCTGGGGGA ACTATCAGAG   228900

AAATTGGTGC CATGGACATA AGAGGAAGGC ACAGTGAAGC AGAGAGCCCC GCATGATGAA   228960

AATCAGTGGA CAGCATCATT ATTTACAACT TTGTAATCAC CCAGGAGCAT GAAAATCCAG   229020

GCCAATCTGG CACCATGAGC TCTAATTTTT GTTGGAGTTC TTGGAACCGA TTCTGATGAA   229080

TGACTGTTTA GCCATTTTAG AGTGTGGCAT ACGTGGCTGC TGGCATACAG AGGTTGGATG   229140

TAAACGGGCC TTTGCCCTCT CTTATGAACA TAGACAGGAA CTAAACTGTG TCACATAGGT   229200

TCCAAATGGT GGCCTGAATA CTATTTACAA CTAAGGTACA ATGAAATTGA GTAAGTCTTT   229260

TCCTCTTTTG CAGATACCAT CATTATTCAT ATATTCTTC AAAGTTAACT ATTTGTATTT   229320

GGTAATTTTT AATAGAAATG TAATAATTGC TTCTCAAGTT TAGTCTTTAG TCTTAAGGTT   229380

GATGCTCTCC ATGTCCTTCC AAAAAAAGGT ATGTTGCTTT TATTATATCC TCGCCTTCAG   229440

ATGGGATTAT TCCATTTTGT TCTTTGTTAA TATATACTTT GAGCCACTTT TTTTGTGGCT   229500

CTGGGTGAGA TGCTATAGGT ACAATGACAA GTGATACGTG TGTTGTCCCT GTCACAAAAG   229560

TGGATAGCCT AAGTGGTGAC TTTTACCTCC ACTCCAAATA TATGTATCAC ACACCAGCCG   229620

TATGCCAGGC ACCACTCTAG GTGCTAGGGA TACAGCAGTA AACAGACAAA TGCAACCCCT   229680

GCCCATGTGA AAGAGAATAA GACAATAAAT AAGTAAAGTG CATGTTATAT GGAGGTGGCA   229740

AATGCTAAAA AGAAAATTA AGCAGGCAAG AGGACTCATT GAAAGATGA CATTTGGGTA   229800

AAAGCCCATG TATATATGTT CTATTGGTTT TATTTCTCTG GAGAGCCCTG ACTAATACAC   229860

AATGACTTTG AGAAGTTACT GGCTTTTGAT TTATCACACT ATTCGGAGTG CTGAGAGCCT   229920

TCTTAGTGTG TATTCAGTGT TTTAAGAGAG CTTGTGGATG AATAATAAAT AGGACAAAAT   229980

TTATCCAAAC TTAAGCCTTG CTTTAGGTAA AAGGGCTCCT CTTACAAGGT AGAAGGTTAT   230040

TATTTGGCAT TTAAATCCAA CTGAAGACTA ATAAGACTAA TTAATTAAAA GTTTTTAAAT   230100
```

CACAACTGGG TGCAAAATAA ATGGAACTGC CATGCTCGCC AAGTGTGCAT GAGTGGTGTG 230160

CATGGGAGAC AGCACGAAGC TAATCCCACT CATCTTGCAG GTTGCTCCAT TTTTCTCCTA 230220

AAATCAGTAA GACAGAAGCT GGTCAGATTA TCAAGAGCCC TAGTTAAACA CAGCAGTAGC 230280

ATTTGGAAGG GGTTGCTCTC ATTAGGCAGT GCCTGACCAC AACAAGAGAT GAACAAGCCC 230340

TGTATCTGAA GCCATCATGC CTAGTTATGG TCCCCCACTG TTCATGATGC CTGAAAGGGA 230400

GGCCCCCTGC ACCCTAGAAA GCTGGGTGGG TTCTACTGTC TGCTTTACTG CTAAAAACCC 230460

TCTTCTTTGG ATCTGGACTT TACCTCTATC TGATTTTTTT TTCTAATATA TGATTTGGCA 230520

CTGAGTCTGT CACTGCTGCT AACTCAGCAG TTCTAGGGTC ATTGCCCCAT TGCCTCACAG 230580

AAAGAATTTC ATAGCTTCCA GCATCCTCTC TCCTTCATTA TACTTTGATT TCAGCATTGC 230640

TATTTTTTCT CTTGGGTGTT GCAGCTCTCT CTCTCCTTCC CATGTCTTGT TGGTTTTCTG 230700

CTAACTCCTG CTTTTTTTCT TTTTTTTTTT TTGAGACGGA GTCTCGTTCT GTCACCCAGG 230760

CTGGAGTGCA GTGGCACAAT CTCGGCTCAC TGCAACCTCC GCCTCCCGGG TTCAAGCTAT 230820

TCTCCTGCCT CAGCCTCCCA AGTAGCTGGG ACTACAGGCG CTCACCACTA TGCCCCACTA 230880

ATTTTTGTAT TTTTAGTATT GCTGTCATCA ATCCACATGT CCAGAAGCAC CTAGAAACTC 230940

TAATTCTTTG TAGGTATCAA ACCCTAGGAC TCTTTCCTCT AATCACAATA TATAATCCCT 231000

GATTCCCAAA CACGGTCTTT TCATATACAT TTTCCACTGT ACATACTTTC TGACCTGGAA 231060

AGCTCTTACA CAAACACGCC CTCCCCTAGG AAGCCTTTAT AAATGTTCCC AGGAAGAATC 231120

AGTCACCCAA CAGTGTCCTT GTCACATCTT AGGTTCTACA CCTTTATTTG TTCTATCTGA 231180.

ATGTAATCTC CCAGAGGGTG TTATCATCTT TTTTTTTGAG ATGGAATCTT GCTTTGCTGC 231240

CCAGGCTGGA GTGCAGTGGC ATGATCTCGG CTCACAGCAA CCTCCACCTC CTGGGTTCAA 231300

GTGATTCTCC TGCCTCAGCC TCCTGAGTAG CTGGGATTAC AGACGTGTGT CACCACACCT 231360

GGCTAATTTT TGTATTTTTA GTAGAGACAG GGTTTCACCG TGTTGGCAAG GCTTTCCTCG 231420

AACTCCCAAA CTCAGGTGAT CCACCCGCCT CAGCCTCCCA AAGTGCTGGG ATTACAGGTG 231480

TGAGCCACCA TGTCCAGCCC CATCTTTTTC TTTTAGTTTA GTTCTTAACA AATAGTCTGA 231540

CACAAAGTGG ATATAACAAT ATTTTGAATT ATGAATAACT AAATGAATAT TTCCAGATTT 231600

CCTGGTGCTC TCAAAGTTTT ATGTTACAAA AGAAAAACAA GTCTAAAATA CCTGCCTCAA 231660

GTTTTTATCT GTACTATGAT TTCAAACCAA ATAAAAAACA GGTGGGGTAA AAACTGAAAC 231720

AGGAAATACA TATAACTGAA AAATTTTGGT ATGTTAGTAT GATAATACTA GGTCATTTTT 231780

CCTGTTTCCC CAACTTCATT TTCTATAGCA ATAAAAGAA ACAAGTAAAT GTATATTAAT 231840

TTAATTTAAA AGAAGTAGTC TACCATCTCT TCTGTTAAAA AGAAAAAGT ATTTTAAAAA 231900

ATTATCTCTG GAAGGATACA CAGGGAACAT TGCTCTGGTT TCTTCCAAGA GAGAAATGAG 231960

GAACTAGAGA GCATGGCCAA GTGGGGTTTT GCTTTTGTTT TTGTTTGTCT ATCTGTTAGC 232020

TTTTTATTAT TTTCTTTTGT AGGTTTGAAT TTCAAACCAC ATAAATCTGT TACATGCTCA 232080

TAATAATAAG TTTAAAATAA AACTTTTGGC TGGGTGCAAT GACTTACACC TGTAATCCCA 232140

GCGCTTTGGG AAGCAGAGGT GGGAGGATAC TTGAGGCCAG GAATTTGAGA TCAGCCTGGG 232200

CAACATAGTG AGACCCTGCC TCTGTAGAAA TAAACAAAAA TTAGCTGGAT ATGGTGGTGC 232260

ATGCTTGTAC TCCTAGCTAC TTGGGAGGTT GAGGCAGGAG GATCCTTTGA GTCCAGGAGT 232320

TTGAGGCTGC AGTGAGCTAT AATCACCCAC TGCACTATAG CATGGGCAAT AAGGTGAGAA 232380

CTTGTCTCAA AAAAAAAAA AGGGGGGGGG AAACAAATAA ATAAATATAA ACAAAACTTT 232440

TGTTTCAAAA TATGTAATAT TTAGCACTAA AGAATTCTGA ATTGTAGAGC TAAAAAGTAC 232500

TTAAAAGTTA ATAATTATTG TCTCCTTTAA AAGAATTGTT ATCAAAGTAT AATTTTTATC 232560

CAGAAAATCA TCCATATCAG CAAGCTAAAC TTTCTCAAAA TGACATATCC ATGTAATTAG 232620

CTCCCAGGTA ATTAGCAGGC AGCCTCTACT CAGGTTGAGT ATTCCTAATC TAAAAATTGG 232680

AAATTCAAAA TGCTCCAAAA TCGGCAACTT TTTGAATGCT AACATGATTC TCAAAGGAGT 232740

GCTCATGGAA TATTTCAGAT TTTGGATTTT TGGATTTGAG ATACTCAGTA TAATGCAAAC 232800

ATTCCAAATC TGAAAAAATC TGAAATACTT CTGGTTCTAA GCATAAGGGA TACTCAACGT 232860

GTGTTAGCTA ATTAGACCCT TCATGGTCTC TTCTAGACCT CAGCTTCTTC AAGGTAACCT 232920

CTATCCTCAC TTCTAATAGC ATGAACTTTT CTGTTTTAGA ATAATTGGA TTTTCAGGAA 232980

AGTTGCAAAG ATAGTACAAA GACAGTACAG GAGAGTTCCC ATATATCTTT CACCTAGCTT 233040

TCCCCCATTG TTAGGATTTT ACATTATTAT GATACATTTG TCAAATATAA GCAACTCACA 233100

TTGATACATG AAACTCTATT AACCAAACCC TAGACTTTAT GTGGATTTCA CCACTGTTTC 233160

CACTAATGTT TTCTTTCTGT TCCAAGGTCC AATCTGGAAT ACCACACTGC ATTTCTTGT 233220

CATATCTCCC TAGTCTTTTT TTGTCTGTGA CAATGTCTCA GTCTTTTCTT GCTTTTCATG 233280

ACCTTAACAG TCCTGAAGAT CATTTGCTTT TTTTTCATAA TTACACCGGA GTTATAGATT 233340

TTTTGAAATA ATACCACAAG GGCAAAGGGC CCTTCTTGTC ACATCATTTT AGGGAGAACA 233400

TGATATCCAC ATGACATCAC TGATATTAAC CTTCATCATG TGGTTTAGGT AATGTTTCAG 233460

-177-

```
GTTTCTCTAC TGCAAAGTGA TTTTTTTCCC TTAATTTAGC CCACCTGAAC TTATCAATTT   233520

TGTTTTCTTC CATGACTAAT ACTTTTGTTA TTATAGCTAA AACTTCATTG GGGCCAAATC   233580

TTAGATCATG TAAATTTTCT TCTATATTTT ATTCTAAAAG CTTGTAATGT TTGATACATT   233640

CTAAAAGATG TAATGTTTGA TACATTACAT CTAGTCCTTT GATTTATTTT TAGTTACTTT   233700

TGTATAAGGT GTGAGAGATG TCTCCAGTTT CACTTTATTA ACACATTGTG GTGTTCCAGT   233760

ACTATTTGTT GCTAAGACTA TCTTTTTTCC ATTGATTACC TTTGCCTTAG TTGGCAATAT   233820

TTTTGTTGGT TTATTTCTAG ACTGTTTATC TCATTCCACT GATTTGTGTC TATCTTTTTG   233880

ACAAAACTGT TGATTACAGT AAGCTTTGAA ATAGTTCATT TTTTGTGTCA ACTTGACTGA   233940

GTCAGGGGAT AACCAGCTAT CTGGTTAAAC ATTATTTCTG GCTGTGTTTG TGAGCGTGTT   234000

TCTGGATGAG ATTAGCCTTT GAATAGGTGA TCCTAGTAAA GTAAACTGTC TTTCCCAGTG   234060

TGGATGGCAT TATGCCACCT GATATTCAGG GTCTGAATAG AAGAAAAGGC AGAGGAAGGG   234120

GGAATTTGGG CCTTTTTTTC TGCCTCACTG CTTGAGCTGG GACATCTCAT CTGGTCTCCT   234180

GCTCTTGAAC TGGGATTTAC ATCATCAGTT CCTCTGGTTC TCAGGCCTTC AGATTCAGAC   234240

TGAATCATAC CACCAGCTTT CCTGGGTCTC CAGCTTGCAG ATTACAGATC ATGGGACTCC   234300

TCATCTTCCA TAAATGCATG AGCCAATTCA GTCTATGTCC TTGAAAACTG CCCCACTGCA   234360

GATTAAGGCT TTTTTCCACT AGGTGAAATA AAGAAGCTTG TTAGACAGAT TTCCCTTCAT   234420

CCAGTGCCCT CTCCTCTTTA AGTTACAACA CATTGGCTAC ACCTAAGTGC AGGGGTGGGG   234480

ATGAGGGTAT AGTCCTCTTG TTTGCTGAGA AGAGAACTGT ATTGGGAAAG CTCTAGAAGT   234540

GTTTGATACA TACATAAACA AGGCATGGTT TTTGCACTTA ATTTCACATT ACATTTTTCC   234600

CAGAAAAAAA GGAATGTATA GGCATCACGT AACTGTACTA GCTGGAGTCA TTCTTCCTGA   234660

TTATCAAAGG TAAACAGTTA TTAATCCTAT ACCAAGATGT CAAGGAGAAG TACTTTTGGA   234720

ACACAAGGAA TTCTCTGGGA GTCCTTACTA CTCTCAAGCC CAGTGAAAAA GTTAATGAAA   234780

AACTATAGTA CCTTCCTATA AGCTGGATGA CTAATTACCA GGCTCATTTA GGAATTTGCC   234840

TTACCAAGTA AAACATAAGG GCAGCTGAGG TGCTGACTGA AGACAAATGG AGCATAGAAT   234900

AAGAGTAGTA AAGAATGCCA AAAATGCTGT CATGTATCCA TTGACAAAAG GAGCTATAAA   234960

GCCTTTAGGT ATTTTCACAC TTGCTCTGTT ACGTAAATGT ATGTGTGTGT GTGTGTGTGT   235020

GTGTGTGTGT GTG                                                      235033
```

(2) INFORMATION FOR SEQ ID NO:2:

```
      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 237326 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear




      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CACACACACA CACACACACA CACACACACA CACAAATGAG GTATATAAAG GGTCTCCTAA      60

AATGTCATCT GATATTTGTT ATTTCATATT CTCAGATTTT TAATCCATTT AGGTAGGTCT     120

ATTTTAGATA GCCTTGTCTG AAACAGAGCT GGGACCTGAT GAGTGAAAAT GAGCTCACCA     180

GAAGAAAAAT CAAACAGGCA TTTCAGAGAT TGAGGCCAAG AAGTTAAATG TCTTAAATGG     240

GCAGAGCTTA GCTGCTTGAT GTGAAAAGAG ACCAGCGTGG CTGGAACAGC AAAGGAGAAC     300

AGCAGAAGAG GTGAACAGAG GCCAGAGATG GTCACTGAGT GGGCCCTTAA GTCATGGTAA     360

GGAGTATGGA GAATGAATTA TTGCATGTAT TGAATATGTA GGTGACGTGA CTCACAGATA     420

CTTTGGATTT GTAGAGATGA AGGAAATGTA GCAAGTGACA CTCTTAGAAT GTTGATTTGA     480

GTAAATGGTA GTGTCAGTTA TTGAACTGGG GAGAACTGGA AGGGATAACA GGCTTAAGGA     540

GCACGTTTAT TCCTGTGTCT TGGAAGTGTT TAGGGTGAAA GACCTATTAG AGTTCTAAAT     600

GGAGATGTCA AGTGAAAATG TGGCTACACA CATTTGCATT TCAGAAAAAA GGTCAGGCTG     660

GAGATGTAAA ATTGGAAGTT TACTGCATAT AGATAGTCTT TGGAACCGTA GTATTGATGA     720

AGCCATTAAT GAGACAGAAC AAAGACTAGG GACCAGAGCC AAGCTCCAAG TTTCTAAAAT     780

TTAGAGGATA GTATAGTCTG GTCATTTTGA GGTGAATACT TAATAACAGA ACAATTTGCT     840

GAAGTGTAAA TTTAGAGCCC TACACTTTTA GCTCTGACTA TTAACGAATA CAGGAAAGAA     900

TGGATATGGT TATCTGCCTG GTGTCTGTGA AATAATTTAA GCCAGGAAGA GATCCTCACC     960

AGAAACTGAC TATGCTGGCA ACTTGGATCT TAGATTTCCA GCCTGCAGAA TTGTTAGAAA    1020

ATAAATGTCT ATCGTTTAAG CCACCAGTCT GTAGTATTTT GTTATGGCAG TCCAAGCTGA    1080

CTAAGTTTTG GTACCCAGGC GTGGGATGCT GCAACAACAA ATACCTAAAC ATGGGGAAGT    1140

GGCTTTGGAA ATTGGTGATG GGTAAAGGCT GGAAGAGTTT GAGGTTCATA CTAGAAAAAG    1200

CCAATTGTGA AGGGACTATT GAAAGAAATA TGGACATTAA AGGCAATTCT GGCAAAGGCT    1260

CAGAAAGGAA GAGAGCTGGA CAGAAAGCTT CCATTTTCAT AGAAACTTAG ATTTATAACG    1320
```

ATCATGGATA GAATATTAAA TATGCTGGTT AAAATATGGA CTTTAGGCCA GGCGTGGTGG   1380

CTCACGCCTG TAATCTCAGC ACTTTGGGAG GCTGAGGGCA CAGATCACGA GGTCGGGAGT   1440

TTGAGACCAG CCTGGCCAAT ATGGCGAAAC CCTGTCTCTA CTAAAAATAC AAAAATTAGC   1500

TGGGCATGGT GATGTGCTTC TGTGGTCCCA GCTACTCGGG AGGCTGAGGC TGAAGAATCG   1560

CTTAAACCCG GGGGGTGGAG GTTGCAGTGA CCCAAGATCA CACCACTGCA CTCCAGCCTG   1620

GGATACAGAG CAGGACTCCA CTCCCCCCGC CACACACACA CAAAAAATAT ATATATATGG   1680

ACATTAAAGT CAACTCTTGT GAGGTCTCAG ATGAAAATGA GGGACAGGTT ATTGGAAACT   1740

GTAGAAATCA CTGTTCTTGT TACAATGTGT CAAGAACTTG GCTGAATTAC GCTGTAGTGT   1800

TTACTGGAAA GAACTTATAA GCAGTAAAAC TGGATATTTA CCAGAAGAGA TGTCTAAGCA   1860

AAGTATTGAA GGTGTGATTT AGGTCCTCCT TACTGCTTAA AGTGAAATGT GAGAGGAAAG   1920

AGCCGAAATA AAGAAGGAAT TTTTAAGCAA AACACAATCA GAACTTGGAG ATTTGGGATA   1980

GATTTCTCAA TCTATATTGT AAAAATTGAG AAAGTTTTTC TTGAAGAGGT ATGGTTGAAC   2040

AATGTTTTCT TTTTCTTTTT TTTTCTTGGT TTTATTTTTA TTTTTATGTT TTTTGAGACA   2100

GGGTCTGGCT ATGTCATCCA GGCTGGAGTG CAGTGGCACA ATCTCAGTTC AGTGCAACCT   2160

TTGCCTTCAG GCTCAAGCAA TCCTCCCACC TCAGCCTCCT AAGTAGCTGG GACTACATGT   2220

ATGCACCACC ACACCCTGGC TAATTTTTTG TTGTTGTTTA TAGAGATGGG GTTTTGACAT   2280

GTTGCCTAGG CTGGTCTCTA ACTCCTGAGC TCAAGTGATC TGCCCTCCTC AGTCTCCCAA   2340

AGTGTTGGGA TTACAGGCGT GAAACACTGA GCCTAGCCTG AACAACCATT TGATAAAGAG   2400

ATAATGGGTG TGACCCAAGG ATTTAATCAG CCATCTCAGC AGAAGCCAGG AAGAGAGATG   2460

GGATTATTCC AGCAGAGACA CTGCCAATTT AAACTAACGT AGGCAGAGAA AACAGAAAGG   2520

AACAAAGGAA GGTTGTCGAC TTTTTGAATT CTATAGAACA GGATCATAGA GCTACCTGGC   2580

TGTCAATGTG TACTATTCTT TAAGAAAAGG AAAGACTGAC CCACCAAAGG CAACTTACAA   2640

GATCACTAGG GCTGACTCTT TTTTGTTTTT TCTTGAGGCA GTCTCACTGT CACCCAGGCT   2700

GTAGGGCAAT GGTGTGATCT CAGCTCACTG CAATCTCCAC CTCCCAGGTT CAAGGGATTC   2760

TCTTGCCTTA GACTCCCAAG TAGCTGGGAT TACAGGCTCT AAATCTGTAC CCTCCCGAGT   2820

AGCGCTCCTG CCACCACTTG CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA   2880

CTATGTTGGC CAGGCTAGTT TGGAACTCCT GACCTCCAGT GATCCATTCT CATTGGCCTC   2940

CCAAAGTGCT GGGATTACAG GCAGGAGCCG CCAGGGCTGC CACTTTGATG TCAGACTCAG   3000

```
AGAGTACAGA TGGGATAGGG TGGGGGTGGG AACATGTAGT CAAGGCTGAC TCTACCTGTT      3060

TCAAAGATGC CCTGCAGAAC TGTGTGGGAG TCTCTCACAG ATGGCTGCCT GGGTGGGACC      3120

CCACCAAACT GAAAGACCGA GACTTCAGGC AGGGCAGATG GAGTAGGCCA ACTACAGAGC      3180

CAGAGGTGAC ACTGAGACAC CACTGGGCCT GGAAATCAGG GCATCAAGCC AAAGAGGGTT      3240

TTTCTTAAGA CCTAACAGAA TTTGCCTTGC CAGGTTTTGG ACTTGATTAG GACACATTAC      3300

ACCTTCCTTC TTTCCTATTT CTCCATTTTC TAATGGGAAT GTCTATTATG CCTGTTTCAC      3360

CATTGTACCT TAGAAGCATG TAACATTTCT GGTTTCACAC GTTCAAAGCT GGAAAGGAAT      3420

TTTGTCTCTG GATGAATCAC ACATTGAGCC TCACCCGTAA CCTGATTTAG ATGATTTTTT      3480

AGATGACACT TTGAACTTTA GAATTGATGC TAGAATGAGT TAAGACTTTC AGGGGGCTGT      3540

TGGGATGGAA TAATTTTTTT TTTTTTTTTG AGACGGAGTC TAGCTCTGTC GCCCAGGCTG      3600

GAGTGCAGTG GCACCATCTT GGCTCACTGC AAGCTCTGCC TCCCGGGTTT ATGCCATTCT      3660

CATGTCTCAG CCTCCAGAGT AGCTGGGACT ACAGGCGCCC GCCACCACGC CTGGCTAATT      3720

TTTTTTTTAT TTTAGTAGAG ATGGGGTTTC ACCGTGTTAG CCAGAACGGT CTCGATCTCT      3780

TGACCTTCTG ATCCGCCTGC CTTGGCTTCC CAAAGTGCTG GGATTACAGG TGTGAGCCAC      3840

CATGCCCGGC TGGGATGGAA TAAATTTATC TTGTATGGGA GAAGGACATA CATTTTGGCA      3900

GGTCAAGGAC AGAATGTTAT GGACTAAACT GTGTCCCCCA AAATTCATTT ATTAAAACCC      3960

TAAACCCCAG TGTGACTGCA TTTGGACATA GAGCCTTTAG GGGGTACATA AAACTAAAGA      4020

TCACAGGATA GGGCCCTAAT CCCATTGGGG CTGGTGTCCT TACAGAAGAT GAGACACTTA      4080

GAGCTCTCTC TCCACGCAGG CACCAAGGAA ACACCATACA AACACACAGT GAGATGGCAG      4140

CCATCTGTTA GCCAGGAACA GATTCTCACC ATAAACTATG TTGGCACCTT GATCTTAAAC      4200

TTCCAGGCTC CAAAACTGTG AGAAAATGAA TTTCTGTTCC AAGCCTCTTA GATATGGAAA      4260

AAAAGATTCT GTTGTTTAAG CCATCCAGTC TCTGGTATTT TGTTATGGCA GCCTGAGTAG      4320

GCTAAGACAA TGAAGGATGT GGTAAAACTT TACGTCCCAA CCACATACCA AAGAGGCTGG      4380

AATTTAGCAT GCTTTCTTCT TTCAACTGTA GGCAATGTGC ACAAGTTCTA AATCCTAAGA      4440

CATGTTGGCT CCTTTACTCT GCCCAAACTA CAACTCAAAC AAACAACTGT AATATAATAA      4500

CATCCAATGA AGTTCTGACA TTTCTTCAAC ATGAGTACAG TAATTCAATG CCAGAGAATT      4560

CATTTTATTT TGAAATCTAC ATGCCATATT CCAATTTCTG TTGAAGATGC AATGGTTATA      4620

TTTATTCTTT TTAATATAGA TTTATCAGAC TGGGCGCGGT GGCTCATACC TGTAATCCTA      4680
```

```
GCATTTGAGA GGCTGAGGTG GGCATATCAC CTGAGGTCAG GAGTTTGAGA CCAGGCTGGC    4740

CAACATGGTG AAACCCTGTC TCTACTATAA ATATAAAAAT TAGCTGGGTG TGGTGGTGCA    4800

TGCCTGTAGT CCCAGTTACT AGGGAGGCTG AGGTAGAATT GCTTGAACCT GGGAGCAGGA    4860

GGTTGCAATG AGTGGAAATC GCACCAGTAC ACTCCAGCCT GGATGACAGA GCAAAATAAT    4920

AAATACATAA AATAGATTTA TCAGTTTATC AATAATATAG TTTTCTTTTC TAGGTGTAAA    4980

TATAGGTAAT GACTGTCCTT TAGTACATTT TCTCATGATG CTCCTCTTAC TTGGTTTGGT    5040

ACAATATTAA GTATTGAAAT AAAATAGAGA ATCCTGTCGC TACACATGAG CACTTATTCC    5100

ATTTGCTCAT CTCCAATATG CACGGGAAAT TCTCAAATTG CTAATAATCT TGTAACACAC    5160

ATGCATTATA TTCAACAGGA ATATATAAAT TTATAATTAT AATTTAGGAT CAACAGATGA    5220

CAAACCTTTA GAAGGTTTGT ATTTAACCTT AAAATATAAT TTTTAAAAA TTGGTTATAA     5280

AATTTCTAAT ACTTTCTTTT TTGTGACCTC AAGGGGAAAA TATAATTCTT ATAAAAGTTC    5340

AAATGATTTA CAGAATACAA AAAGTGAATA GAGATGATGA ATGAATTAAA GGAAAGGATA    5400

TTGCTACATA GATTTGGAAA TTTAAAAAGG GAAATTACGA TTGTTGATTT TGTGTTAAAC    5460

TGATCTGCTT TGTTCAAGAT ACCTTATGTA CCAAAAAATG ATTTTATCTC AGCCTCATAT    5520

CTCAGTAAAT TCCTGAGACA AACTTTAGTC CCTGGTGCCC AGGTGCCTTT GGTAATTGGG    5580

AGACCTCTAG GTTTAGCATC CTCATCCACT CGCCCCAATT TAAATAGTCC TCCCCAGGGC    5640

CATTCAGGCA AGGGAGATGA AAACTTGCTC AAGAGTTGGA ATCCAATTGA AGCTACCGAA    5700

ATTCATTGCT CAATAGATAA TTTTCCCTGG AAGTAACTAG GGCTTTTGAA TATAATAGTG    5760

GGCATTTCAA AGTAGAAGGT AAAGTATTTT GGAGATGAGG AGACAGGACA GAGCTACGAG    5820

GAATGTCCTT TGCTCAGGGA CTAGGCTCTT AGCAGTACCT CTTAGGTAAG AACTGGTTAA    5880

CTGGCACCTT CTGTGTTTCT CTGAAGCTCC CTTTGCTTAG GGACTAGGCT CTTAGCAGTA    5940

CCTCTTAGGT AAGAACTGGT TAACTGACAC CTTCTATGTG TCTGAAGCTC CCAGAACAAA    6000

CTGCCAATGA AATTTGGATT TTTGGAATAT AGTTTCTTTT TTGTTGTTAC TTTTTGTTTT    6060

GTTGTTTTTT TTTGAGAGTC TCACTCTCAC TGCAACCTCC CCCTCCTATA TTCAAGTGAT    6120

TCTCTTGCCT CAGCCTCCCG AGTAGCTGGG ACTACAGGCG TGCACTAGCA TGCCCAGCTA    6180

ATTTTTGTAT TTTTTAGTAG AGATGGGGTT GGTTTTTTTT TGAGACAGAG TTTCACTTTG    6240

TCGCCCAGGC TGGAGTGCAG TGGCACGATC TTGGCTCACT ACAACCTCCA CCTCCCGGGG    6300

TTCAAGTGAT TCTTCTGCCT CAGTCTCCTG AGTAGCTGGG ACTACAGGCG CCTACAGGTG    6360
```

-182-

```
AACACCGCCA CACCTGACTA ATTTGTGTAG TTTTATTAGA GATGGGGTTT CGCCATGTTG    6420

GCCAGGCTGG TCTCAAACTC CTGACCTCAG GTGATCTACC CACCTCAGCC TCCCCAAGTG    6480

CTGGGATTAC AGATGTGAGA CACCAGATCA GCCTCAGAAG ACATTTTCTA TTGGAAAGAG    6540

AAAACACTAT TAGCAACCTA TTAGTCTAAT ATTTAATACT TAATGTCTTC CTTAGTAATA    6600

AACCAACTCT CTACAACAAA GTGCTTCCTG GCTGCCTAGT CATTGATTCA TTCAGTTCAA    6660

CATTTTCTCA ATGCCCAACA GCCAAGTGTC TCCTGTATGC CAAGTTCTAT GCTGATTATC    6720

AGTATTTGAA TAAGAGGGGG TCTACATCTT AAGTACTGCT TAAGATGAAA GCCTCTAGGT    6780

TAACAAACTT AACACAATGT ATCATTCACT ACTAAATAGA CCGAATACAA AATCTTGTTA    6840

TTGGAGCCCA GAGAGAAGAA TTGAAATTCA AGTTTTCTCT CTCTCCTTTT CTCACTCACC    6900

ACAATAAGTC AGTTGCACCA AGTCTTGTAG CTCTTTACTG AGCCATGTTT TCACGTGTCC    6960

CTTTGTTTTA TTTGCCACAC CCTAAATAAA AATTGTACTG GCTTTTTTTC CCTGGGTTTA    7020

CAGTATTAAT ACATTGTCAA GATTTACCTC TTCGTGTAGA TTCCCTGGGG AAAATTACCT    7080

TTCCTCCTTC CCTTAAATTC TTCAGAGGTT AGAAAGCCAT TAGTAACATT CTGGTATGTG    7140

GACAAAGTTT ACCCATTATG TATGGATGTT TTACTCTTTC CATTTTTCTG ACAATAATCT    7200

CTTAAGGAGG TGTGGTTATA GAATAGTCAG CTGTTATAAG TACTGTTTTC CTGGCCTTAC    7260

AACTTAAATT CTTTAAGCTG TTTCTTAGTT TGCTCATCTC AAAATTCGGA ATAAGGATAA    7320

AACCTATCTC TTAGATTGTT GGATTAAATG AATTAACATA CTGGAAGCTC ATGAAATGTG    7380

CCTGGCACAC AGTAGTGCCT AATAAACCAT CTCTCTTATT CAGCCTGTTT TCTGATTTCA    7440

GAATCTACAC TTGCTGAGCC AGGTTCTTTT CATTTCAAGG TGAGCAAAAG CATACAAGGA    7500

AGAGATGGAG GTAGGAAGAG ATTAAGCCCT AGGCCAAGGG AGCTGGAATC AAAGGCAATT    7560

TGGTCAGTGA ATAAAAAGGA TTCCAAGGCC CATAAGGCAA TTCTAACCTT AGGATCGAAA    7620

TTCTCGGACA TACAGGAAAT GCTGGGGGGG GGAAAATCCG GTCTTCTCAG CCCAAGAGCC    7680

ATGTGAAACC AGACCTTCAA ATCTGATGAT TCTCAGCCCA GCTGCCCATT AGAATCGTTG    7740

TAATTTAAAA ATACCCTCGG AAAATTCTAA TATGTGGCTA TCAAAGGTGA TCATTTGCTT    7800

TTATGCCACT TTGTTTTCAC CCAAATGGGA CATCCAACCC TTTTCCTTTG AGAGTAGTTG    7860

TAGGGAAAGG AGGGGGTGGA GGGAGGGAAG AGCGGAAAAG GCTGGATCCG CCCCGAGCCG    7920

GTGTCAGTAT CTGGGAAGTG GGAGGCGCGT CAGCAGTAAA CAGCTTCTGC TAGGATTATT    7980

ATCTCCTGCC ACACACTCGG ATTTGAAGGC TCCAAACGAA ACAATGCAAA ACGCTTCAGT    8040
```

```
GGAGTTCCAG AAGCGTTAGA CTAAACGACT GGGTCTGTTT GGCCAGTCTG AGCAGCTGGG    8100

CGCAGATGCA TAGGCAAGAC TTAGCCCGCC TAGACTTTTC TGCCCACTTA ATTCCGATCA    8160

AAGCAGAAAC CGGCCGGGCG CGGTGGCTCA CGCCTGTAAT CCCAGCACTT TGGTAGGCAG    8220

AGGCTGGCGG ATCACCTGAG GTCAGGAGTT CGAGACCAGC CCGGCTAACC TGGTGAAACT    8280

CCGTTTCTAC TGGTGGCGGG CGCTTGTAAT CCCATCTACT AGGGAGGCTG AGGCCGGAGA    8340

GTCGTCTGAA CCCGGGAGGC GGAGTTTGTA TGCAGTGAGC CGAGATCGCG CCACTGCATT    8400

CCAGCTTGGG CAACAGGAGC AAAACTCCGT TTCAAAAAAG CAAGCAAACA AACAAAAAAA    8460

TGCAGAAACC GAGATCCGGA AGAAACCTC GGCGAGATTC ACAGAATCCA GGAAAATAGG    8520

TCTCTAGAAA TTTGTCCATG GTCCCAGATC TCCATTTCTT GTGGGTGGGG CAGCTGTTAC    8580

CAGATCCCTA GAAGCAAAGG TTTTTTTGGG GGACCGTGTC TCACTGTTGC CCAGGCTGGA    8640

GGGCAGTGGC ACGATCTCGG CTTACTACAA CCTCCGCCTC CCAGGCTCAA GCGACTCTCC    8700

TGCGTCAGCT TCAAGAGTAG CTGGGAGTAC AAGGTATGTG CCACCACGCC CAACTTATTT    8760

TTTTATTTAT TATTTTTATT TAGTAGAGAG GTGTTTCACC ATGTTGGCCA GGTTAGTGTC    8820

GAAGTCGTGA CCTCAGGTGA TCAGCCCCCT CGGCCTCCCA AAGTGGTAGG ATTAGAGGGG    8880

TGAGCAGAAA GCAAAGGTTT TTGAGTGGCC ACAGGCCCCA CTCTATTTCC TTTTCTGCCT    8940

GTAATGGCAA CCTAGACGCT TGAGCTTCTT AAAATACAAG AGTAAGTTGC ATGTCAGGCA    9000

CCGTTCTACA TTAGGGACAT TAGTCTGTTT TACAGACACC TTTCAACTCC CTGGTTAACT    9060

TTTAGGTAAT ATACTCTGCA CTTTAGCAGG AATGGAACCT ATAACTCTCA CAGAATTAGG    9120

AAAGTGAGGC TGCCTACAGC CTAAATTGAG AAAAAAATAG ACGGGGGACT AGTCGGAGGA    9180

CCAAACAAGG TTACCAACAC GTTAGAGTTT TGCCTTCAAT TTACATTTTT AAAGTAATCA    9240

CAACGAAGTG TTTAGATCAC GAGGCATCCC TGCATGTAAA CTGTTAGGCA CTAACTATGG    9300

TCGATCTTAC AAAGCATTAA CTAGAATATT TCTTTAGAGT ATGATAGTAC GTAACTGACC    9360

TACTATTACA TACAAACAGA CCAACCTTTA GTAACAGCGC TCCCCAAAAA CCGAAAAGCA    9420

GTAATACGCT TTGCTCAAGG TTGGCATAAA ATTAACTTAC CTTAGTGCCT TTTTTCCTTC    9480

TACCTACAAG CAGTGAGGTT AGCTCTTCCT TTGAAACGGT AGGGGGGCTC TGAAAAGAGC    9540

CTTTGGGTTT GATAGCGTTT CCGGGAGCTC AGATACCTGT CAAATCACTT GCCCTTGGCC    9600

TTGTGGTGAC TCTCGGTCTT CTTAGGCAGA AGCACGGCCT GGATGTTAGG AAGGACGCCG    9660

CCCTGAGCAA TGGTCACCCG GCCTAGCAGT TTGTTGAGCT CCTCGTCGTT GCGGATGGCC    9720
```

```
AGCTGCAAGT GGCGCGGGAT GATGCGAGTC TTCTTGTTGT CGCGAGCCGC GTTGCCGGCC      9780

AGCTCCAGGA TCTCGGCGGT CAGATACTCT AACACCGCCG CCAGGTACAC CGGCGCGCCT      9840

GCCCCAACCC GCTCTGCGTA GTTGCCTTTA CGGAGCAGGC GGTGCACTCG GCCCACCGGG      9900

AACTGGAGAC CAGCGCGAGA AGAGCGGGAT TTCGCTTTGG CGCGAGCTTT GCCTCCTTGC      9960

TTACCACGTC CAGACATTGC AATCAGACAA AAATCACCAA AACCAGCAGC CTAAGCTCAC     10020

GAGAAAACAA ACAAAATCAA GAAATATGTA AAACATGGCC GCTTTTATAG GTAGTTCCTG     10080

GGGAGTAAAT CCGACTTTTT GATTGGTCGG TAGCAAATGC TAGTCAGATA GCCAATAGAA     10140

AAGCTGTACT TTCATACCTC ATTTGCATAG CTCTGCCCAC GGATGACAAC TGTGTAGTTT     10200

GTCTTCCAAT TAACTAAGAG GTACTCTCCA TCCCTCATTA GCATAAAAGC CCTATAAGTA     10260

GCAGAAATCC GCTCTTTACT TTCGACACAT TTCTGGTGTT TTAAGATGCC TGAGCCAGCC     10320

AAGTCTGCTC CCGCCCCGAA GAAGGGCTCC AAGAAGGCAG TGACCAAAGC GCAGAAGAAA     10380

GATGGCAAGA AGCGCAAGCG CAGCCGCAAG GAGAGTTACT CTGTGTACGT GTACAAGGTG     10440

CTGAAACAGG TCCATCCCGA CACTGGCATC TCTTCCAAGG CCATGGGCAT CATGAATTCT     10500

TTCGTTAACG ACATATTTGA GCGCATCGCG GGCGAGGCTT CCCGCCTGGC GCATTACAAC     10560

AAGCGCTCGA CCATCACCTC CAGGGAGATC CAGACGGCCG TGCGCCTGCT GCTTCCCGGA     10620

GAGCTGGCCA AGCACGCCGT GTCGGAGGGC ACCAAGGCCG TCACCAAGTA CACCAGCTCC     10680

AAGTAAACAT TCCAAGTAAG CGTCTTAACA CCTAACCCCA AAGGCTCTTT TAAGAGCCAC     10740

CCAGATACCC ACTAAAAGAG CTGTGGCCAG ACGCCAAATT TTATTTGGCG GCGGAGGGGT     10800

ATTAGAATGT AGGAACTGGA GAGGGGTGGG GACAAGTGTT GCAGCTTAGA GAGGGACAAA     10860

GGGTCCTGAA CCCGAAAGAA GCCAGCCATT AAAAATGGGT TTGGGGTCAA TTCGTTGTGC     10920

TTAAATTTAA AATGGGGACA AGCGGCCATT TTGCTAACTC GGCGTTCCCG GAAGAAACCG     10980

CAGGCTCGCT TAGGTTTCAG ACCCAGCTGT CTGTCCCTGT CTACGTCGCC AGGATCAACG     11040

GTTGCCGTAA TGTCATAATT TCGCCACCAG CTTCTAGCCA ATAGGCTGTC CTGTCATTTT     11100

AAATATTAAC CAATCGAGGG AAAGCTGTTT TGAGACTCTG ATTTACATAG CGGACCGGAG     11160

TGGGAACCTG GGCAGTAACT GCCTAAGGAA GGACTCCCCC TCTGTTTTCG TGGCGCACAC     11220

CTTCGTAGTA TACTGAAGGG TGTGTCTCCT GGGTTTCCAA CTGCCCCGGT AATAGTCTTT     11280

TAACCTAATA TGCGTCAGTT TTGATAACAA CACTAAGGCA GTACAGAACT AAAGATGTAA     11340

GCACTGCGCC AGATGTTGCT TCATACATCT TATTCTATTC AACTGGTTTA TTCAAGATTC     11400
```

```
AAATCAAATC AAATTTTGCT TGAATCCCAG TGCTCAGTCA GCCATAAATG GTGTGTTGCC   11460

TGATTGAAAC TTAAAATCTC CGTAGGGGGC TTGTAACATG CAGAAAAGTT TGAAAGTTGC   11520

TTTAGGAGAA GCCAACTCTT AACTGCTGGG TAAATTGACA AGCCTTCGAA CACTGAACTG   11580

AAGGCCAGTA AGGACTAGGC GCTGGGTGGG GGAGAATGAA GAGGAGACGT CATTAAACTT   11640

AGCACATACA CTGTGTCTCC TAGAGGACTC TCCCTTCCTA GACAACTGCA GGCCGCTTTG   11700

TGGCCTGGGA AATTCCACAT TCCCTTAAGT ATTTTACTCA TGGTCTTTTC CAGGTAAAGA   11760

TTTTAAGATG AAGGGTTAGA CGTAGTCTAC CTATCTTTTT ATTCAAGTCT AGAACACGTT   11820

TTTAGCACCT AGAAGTTTGC TTTCTCCATT AAAAACCGGG AATATACAAT AAATAAAATT   11880

AGTGTTAAAG CAGATTTTTA CAAACTTAAA TACCATGTAA TTTAGGTTAC AGTTACTTAA   11940

CATAAGGACT GTGTGATCTT AAATCTGCAA TTTCTTTCAC ACCTGGGAAA TAAACTAAGG   12000

CCTGTCTTTG GTGCCAGACA AGGCCTTATA CTTGAACACT GCTGTGCAAT CACAGGCTGC   12060

CTTGCCTAGA TAACTTATCT GAGAAATTCT GATGAGAAAT GAAATTTCCA GAGTCCCTCA   12120

CAAGTAAATT TTTTTTTCTT TTTTTTTTTT TTTGAGACGA AGTTTCTCTC TTGTTTCCCA   12180

GGCTGGAGTG CAATGGCGCG ATCTTGGCTC ACAGCAACCT CCGCCTCCCG GGTTCAAGCC   12240

ATTCTCCTGC CTCAGCCTCC GGAGTAGCTG GGATTACAGG CATGCGCCAC GACACCCTGG   12300

CTAATTTTGT ATTTTTAGTA GAGACGAGGT TTCTCCATGT CGGTCAGGCT GGTCTCGAAC   12360

TCCGGACATC AGGTGATCTG CCCGCCTTGG CCTCCCAAAG TCCTGGATTA CAGGCTTGAG   12420

CCACCGCGCC GGGCCTAAAT GGTTTTTTTT TTTTCTATGC CTCTAATGGA CCTGGTCACT   12480

TATTCCCATT CAGACTGACC GCTCTCCTAC CTGCCAACTA ACTAATCAGT GTAACCAAAA   12540

TCTGCAAACA AAATTCAGTA TTCTTTCCCC GCCTTTTCCC CTTTCTCTTA CATAGATTAT   12600

GTTTTTGCCT GTGTTAGATG AAATAATTCT ATTGCTTGTT CTCTCTTCTG TACAAGTACC   12660

CAGTAAGCAA ATTATTAACT TCTTGGTCAT TTATTCTGA ATTTTCCACC AAGACAGTGT   12720

TTATGTGAGT CATACAATAA GAACCAACAG AAATGTGTGT CTTGGAAACA GGTTGTCTAT   12780

CCCTGGACCC TTTGAGTTTT CTGTTCACTT TCCTTTGGCT TTTGCATGCT AAAAGTTTAT   12840

CGTCCGCGTT TGTTTGTTTT GGTTATTCTA ATTGGACTTG GCTGATTGGT TGCATATTGG   12900

TGGCAGTAGT AGAATTTGAA TTCTGGTTTT CTGGTCACAT CATTAAGTGA TTAGTCAGTG   12960

GAGAGGACAG GAAATCTGGT TTATTTATTA ACCTTTTTTT GGGGTGTTTT TGTTTGAAGA   13020

TGTTGATATT CTCTGTGAGG ACACAGGGTT AGAGTTGGTG TTTTTCTTTC TGACTTTACA   13080
```

```
TGGGATTTGA TGTTTTGTGC TTGTATGCCT CTTTCCACCT TCCAAAACTT GTCTTTTTTG   13140

AGTCCAAATA GTTGTCGATA TCTGCAAAAC CAGTATTCCT GTGTTAAGAT GATATGAATA   13200

TAAAATGGCT GCCCTGTTAT AACTTTTGAC TTTAAGAAAG TGTTAGGACT AACAGGAGAC   13260

AAAAAGGAAA TCAAGGAAAC CAAATGTCTG GTCTCAATAA CTGCTATGGC AGAGGCTCTA   13320

CAGCTTATTA TTAATTTTAG TAATTTCACA TTATTGCCCC TTCACGTTCT TTAAGTAAGG   13380

TTAGAGGACA GAAGAAACAT AATGTTGTTA CAAATTGGAC TATTGAGTCA GGAAAAAAAA   13440

AGAGTGCTTT CAATATCTGA ATAAACAAA GATTAATAT TTTCTAAACC TTAACGAGTT   13500

TATTGTAAGG GATGTGATGC TGGAAACTAG GAAACTAGAA TTTTCTTCTA AACTGAGAAT   13560

CAGAATTATT CATATTCTCA GCAGTGGTGC CACCTGAGGG ACTTCTGATC TTAATTACAT   13620

ACTTTTATTT CTTTAACTGA TCAACATGCT AAATAGATAA CCTATGGCTC TGTTTTTACC   13680

CACTTTAAAT TCTGTTCTAT TAGCACGGTT AGCTTTCCTA ATTGGCAATA AGATTGAGAC   13740

TATCTTTTTT TTTTTTTTGA GACAGAATTT TGCTCTGTGG CCCAGGCTGG GGTGCAGTGG   13800

CACAATCTCG GCTCACTGCA ACCTCTGCCT CCAGGGTTCT AGCAATTTTC CTGCCTCAGC   13860

CTCCCCAGTA GCTGGGATTA CAGGTGCACC ACCACGCCTG GCTAATTTGT GCATTTTTAG   13920

TAGAGATGGG GTTTCGCCAT GTTGGCCAAA CTGGTCTCGA ACTCAGGTGA TCCACCTCGG   13980

CCTCCCAAAG TGATGAGATT ACAGGCGTGA GCCACCGTGC CCAGAAAAGA CTATCTTATT   14040

TTATGAATTT AAATAATTGT GAAATTATCC ACTTAAGGGA ATTAATAAAT TATAATGTAA   14100

TCTTAAATTT TAGTTGGCTT ACATAAAGAC TTAAAATACA TCAATTTAAA TAAAAACTCA   14160

TTTGTCTAAA AAAAAATCAA AAATTTTCCT TGTGCTTTAA ATGTGCTACC TCTTTAAGTT   14220

CTAATTAAGA GAAAAAAAGT TTAACTGTGA GTTTCATTAG TGGTCTTAGT TAACAGCTTA   14280

AAGTATTTTG TAAAAAAAAT ACTTCACAAT TTTTAAATAA CTTAAAAATA TTAATACCTC   14340

TTTTATTAGG TTTTTTTAAT AAGGAAAATA TATAATACAT CTAATCAAGA TTATTTTTTG   14400

GACAAATTGG CTTAATAATT TCATTTTAAA AATGGCTTCT TTATTCTTAT ACTGTAAAAA   14460

TAATATTAGC AGAATATTAT AGTATACACA AGTTTAGGGT TCATATTCTA AAAAACAAAA   14520

ACAAAAGCTA ATTTAACTTG CATTTACTAA ATTTCTTCCA CTAGTTGTAC TGGTTACATG   14580

AGTTAACATC ACTTTATTTA TTATTCTAAA ATTGTAAATT ATTCATTGAA CCAAATTAAA   14640

TGATAATAGA TAATGTCATT TTTAAAAATG GAATTAAATT TTATGTTACT AATTATAAGG   14700

ATTCAATGTG TGAGCTTAAG TACTGAGTTC ACAGTGTATG ATAACTTTAA GAATTTAGGT   14760
```

-187-

```
GAATATTATT AAATTGAGTA AATTAATTCT CAATCTTTGG ATACCTGGAC AATTTCTAAA    14820

TTGGAGGGTA CAAAATACAA ATCACAAGAA ACAGTGTAGT TTTATGCAAA TAACATTTTT    14880

ACACAGTTTA GAATAACCAT TGATAAACAG ATAAGAGAAC ATATGATTGC CTTAGAATAG    14940

ATACTGTTGC TTTCGCCACT TTAGATTTGT AAATCATGTA CTGTATACGT GTGGGCGTAG    15000

AGGACCATGC AGGTTTTGGA TGACTGCCTC TGTTTTCGTC ATGCCTATGC GGGAACACAA    15060

TTGCCTGCTT TGTTTAAGGG CTATGGTTAA TCCAAACAGC TCTGACTCTA TCAAGTACTA    15120

TAGCTACAGA GAAACACAAG TAAGCATTCG AGATAATGAC TACCTTGAGC CTTTACTTAT    15180

TTAAAAAGTT GTTACTGTTT GTTAATGTGG TACATTCAAT TTACTATGGA TTGTCACTCT    15240

AAAATAAGAC TTCAATCTTT TTCTTATTTT TATATAGCCA TGATTTATAT TCATATCTTA    15300

ATGTAATAAC CAATCTTCTC TGACAACATT ATAACAATGC TGGAACCTCC ATTTTCAGTA    15360

CTTCAAACAA CAAATACTGC TTTTATACTT CAGAGCAGAT GGATATGTGC TTCCCAGTGT    15420

AAACACATTT GGAATCTCAC TGAGAAATAC ACTATCACTA AAAATACAGT TCTGAGATTC    15480

ATTAAAGAC CTCCAGAATT CTGGAAGTAG GAAGTTTCCT CTTCAAAGTC TACAGAGGAA    15540

GACGAGGTCT GAAATAGACA GCTTCTTCCT TCTTTTACCT GTGGTATTAT TCTGTTTTGT    15600

CCTTTTCTCC ATTATCTGTC TTTCCAGTGA TGAAATTTTG ATCTGGCCCT CCCAAGTATT    15660

AAAAAACAAG CAAATAAACA AATCTCAGTT ATATTTTACT AAGATATTGG CATGCTAACT    15720

TTTTGCAGGT TTGTAACAAG GACCTTTATA ACTTGACTAA AAGTTCCTAA ATAAGAATAT    15780

TTACTAGAAA ATTTATTTCT GCCTGTGGCC CACATTTGAG TCAAAATAAT CAATTAGGAA    15840

AAATGAACTT GTTTAACTAA AGTTGGCCAA ACTGATCTTT GAGACCTATT CATCTAAGAC    15900

AAGCCAATTA AATTCTTGGA GACAATTTGT ACTTTAAGGA ATTCTTATAA TATTTGTAAT    15960

TACCCTCATA ACTTTTTTTT TGCCCTACTT CTGTGCTTCT CTAATATGCA GATTATTAAA    16020

TGTTGTTACA AAGCCATTGT CAAAAAAACA AAAACAAAA AACTAAACAA ACTCACATGG    16080

TTAGACTTGC TCCTTTATGA GATATTTTA CCAAAAATGG AGGAGTTGAA AAACTCTGGT    16140

GCCAGAAATC GTGAAGACAT GGCCTACCTA ACTTGGAAAT GTTGGTTGTC AGTGGAAAAT    16200

ACTACACAGA GATAGCCATA GTGCTGCACA GCCAATCTTA AGTGTTCTA GAGAATCACT    16260

AATTGTTTCT AGAGAATCAC TAATTGTTTT CTTTTAACAT TCTTGGTTTA TACAAGAAGA    16320

GAGTATCCAT ACTAAACTCT TTTCTACTGA AAATAATGTG CAAACATAAC ATCCTATTCC    16380

TAGACAGTTT GTAGTTTTTT TCTCCCATTT CTATTTTATA AATCATCTTT TTAAAATACT    16440
```

```
TTGTTGAGTG AAATCAGTCC ATTGCTTGAT ATACCTTGAG CACAAGTAAA TAGTATGCCA   16500

AAAATTAAAT GTCTTTCAGT CACAGTTTGA CAAACTCAAC TACCCTGAGC CTATAGAGTG   16560

GTAATAATTG CCCTACTCAT AAAGATGGGG TGAAGATTAA ATGAAATAGC ACCTATAGAA   16620

CACTAGTTCC AGACGTGGTA TCATGCTAGT AAAATGGCTG CACAGCACTG CTCAATGATG   16680

ACAAAAAGTG AAGCTTCTGG AGACAGACTC CAAGTTTGAC TCCCAGATCA CCACATATAA   16740

GATGTGGGAC TCTGAGGCAG GTCATTTAAT CTCTCTGTGC ATTAGTATCC TTCTCTATAC   16800

CTTTACAGTG ATGGTAATAG CACCTACCTT CTAGAAGTAT GTGAAGATTA AAGATCCTTA   16860

ATGCATATAA ACCACTGTGT TTACTGCTGT TTGACAAATT TTATTTATAA CCATCTTTAC   16920

GCTCCTAAAA GGACTTGAAG CAGCTTATGA CTGAAGACTT TGGTAGGAGT TGGCCTTCTA   16980

TAAATTATAA GAATTTCATA AATTATTTGA TATGAAAATG CCAGTTGATC ATAGTATGTT   17040

TACCGGGGTC CAACAGGTTG AGAAAAAATA CACTTTTTTT CCCTGAACAT ATGAAATTAG   17100

CTCTCTAGGC ATATTCCTAA GGACTTAAAG AATGATAACT ATCATTTCTC TTAAATCTTC   17160

CAGATTTGGA AGGATATATA TATTCAGCAC ATTGACAGAC AATCCCAGTA GTCCTAAATT   17220

AAAAGACATT AAAAATTAGT GAAACTTTTC CTACCTTTAG CCTGTGTAAT CCTGGATGAC   17280

CAAGCATAAA ATTAAATTGA GTAGAGTATA CCACTGTAAC ATTTCCTGAA AGGTATTCTA   17340

GGCTCTGAGT AATTTCTTTG GGGTCTGAAG ATCAGTTTGA CATATCCTCA AGTATCATGA   17400

GTTCATTATA ATTAAGAAAA AGGGAGTAAA TCTGGAGAAT GAGCCACTTT CTTACTACTC   17460

CTTGACCTCA GTTCTTTTTT TCAGAGACAG GGTCTCACTT TGTTGCCCAG GCTGCCAGGC   17520

TGGAGTGTAG TGGCGCAATC GCATCTCATT GTAACCTCCA CCTTCTGGGC TGAAGCCATC   17580

CTCCTGCCTC AGCATCCTGA GTATCTGGAA CCACAGCAGG TGCACACCAC CATGCCAAGC   17640

TAATTTTTTA AAAAGTTTTT TGTAGAGATG GGGTCTTACT ATGTTGCCCA GGCTGGTCTC   17700

AAACTCCTGG GCTTAAGTGA TCCTCCTGCC TCAGCCTCCC AAATTGTTGG GATTACTAGT   17760

GTGAGTCACT GTACCCCGCC CCACTTCAGT TCTGAGGAGG AAAAAATATG TAATAATAAT   17820

GGGACTTTGG TTTGCTGATT TAAAGATTCA TGTAACCTTA TCATCCAATG CGCAATTTGT   17880

AGAATAATTA ATAGAGACAT CTGGTCTCAT GTTTCTACAG TTGCTCATGC CTTGATAGTA   17940

GATCTCCTTG CTGCTGGCTC AGAAGGGTAA AAGAGCAGAA ATGATGGGGC TTCTCTCATT   18000

CTATGAGGAA ATAGACCTAT GTAGAGGAGG CTACCTGTGG TAAAACCTTA TCCTCATCAC   18060

TTAAAATTCT AGGCTTATTC TCTGACCATA TCAAGTTTTC AAATGGTAAA AGAATTGGAT   18120
```

```
TCAAGAGAAA TATGAATAAA CTTTTGTTTT CACTTTTCTC CCTCCTCTCC CCCCATTCTC  18180

CCTTCCTTTA TTTTCTTGTC CTTAGTTTTC TTTTCACTTT TTTGTCTACT ATTATTTGCC  18240

CAAACTCAAC TGTAGGCTAG AACAAAAAAA AATTGAAAAT TAAAATGTGC CCCTTTTGTT  18300

GTTAGACTTG CTTAAACAAT TGGGGTAATG AACCTTGGAC ACTAGATTTT AAAACACACA  18360

CATTTGAGCT TCAGTGCACT GAAATAAATA TATTTTTAAC AATTAAAAAA TAAAATTGCA  18420

TGTTTAAAAA ATCTGCAGAG AACAATACAC GTTGTGAGAT CTTGAATGGA AGGAAAACTG  18480

CTAGCCTCAA GAGTGGATCA AAGATGCTCA GCAGGCAACA GAGTAAGAGC ATGTTGGAGG  18540

GTTTAGAGAG TGTGCTCAGG GTTCTAGGCT CTAAAAATCA GACAGTCCCC ACGGCCTGGC  18600

CTTCGTCGCT GTATCTTCTT TATGAAAAAC ACTAAGTCTT TTTCCTCACT GGATAAATTT  18660

TTATCCTTCA AGTTTAGATC AAATGGAACT TTAGGACACT GACTAGGTTA CATTCATCTT  18720

TTAAGAGCGT ACAGACATTC AAGGGCTAGA GGATGTGGGT TTACTGCACA GGCTCATTAT  18780

CCAACAGCTG TGCTACCTGG GAAACTTAAC CTCTCTGTGC CTTAATTTCC TCATCTATAA  18840

CGCAGGGAGA ATGACAGTAG GTATCTCATA AGGTTGTTGG AACAACTAAA TGCATTGGTA  18900

TCTATTGTGT AAAGTGCTTA AAACACTGCC TGGCACAGAG CAAACATCCA GTGAACTTTA  18960

GCCATCATCA TTATCATTGT TCTCAGAGTC AAATACAATA TCTCATATCT GATAAATTAC  19020

AGAAGTGAAT CAATCACTCT CTCTCTTTTC TCCAGGGGGA GACAACAGCT TTTAGACATA  19080

TCTTTTCCAA CAGTCGTCAC TGCTGGACAC TGTTTCATCT TGCAAATAAA CCAATGAAAA  19140

TGAGTGATCC TAGAAGAAGA TAAATGGAGG TATTTTGAAC AATCAAAGAA GGACAAATGA  19200

ACACCTGGCT GAGAAAAATT AGCTCTTTTT TCTATGCATA AAACTATTAA AATATTCTTC  19260

ATAGAAATTT ATGACACAGG AAACATAAAG ACAAAATTAA AATAACTCCT AGTATCTCCT  19320

ATTCTTTTTA TATGTATATT ATATATACTC ATATTCATAT ATACATATAT CTCACATCAT  19380

GTATCATATA TAAAATAAAT TTAGGTGTCA TGATATATAT TTAGATAAAT ATACTTAGAA  19440

ACTTTTTTAT GGATGTATAA TTTATGGATA TATTGATAAT TATGTATTTG TTATTGACTA  19500

CTTCAATTGA TTCCCATTTT TATGCATTAT ATTATAGATT ATATAGCTCA CACATCTTTG  19560

TACATAAATC TTTGTTCAAA TATTATTTCC TAAGGATAGA CTTCATGAAG TGGAAATACT  19620

AAATCAAAAG TGAAAAACAT TTTCTAAGGT TCTTAACATA TACATTGCCA AATTGCTATT  19680

CAGGATCATA CCAATTTATA ATCCCAAAAT AATATGAAAA TTCCTGTTTT ATAGCACTCA  19740

TATTTACAAT AAATTTTAAA AATCACTGTT AACCTAATAG TCCTTCAAAA GAAAAAAAAA  19800
```

-190-

TTGAAATTAC ATTATTTTAA TGACTCTATT AGTGAGGGTC ATTCTTCCCA TGTTTCTTGT 19860

TAGCCATGAC CCTATAAGAA ATAAACTGCA CTGCAAAATG ATAAACATGA TATCAATCAT 19920

TACATGGGAA GGCACTATAT AAAGAATAAT ACCTTAGGTT AAGGCCACAT AAATATTTAT 19980

CAGGTGCCTT TTCTGCGGAG GACTCTGAAG GGATACTAAA CTGCATTTAG CTGCATGCAA 20040

CTGAAATTAC TTTTACCTAC ATTGTCTCTT ATAAACATTA TAACTACTCT TTGAGAAAGT 20100

GTTTACTATG GACTGAATTG TCTCCCCATC CCCCCAAATT CATATATTGA AGCCATAAAC 20160

CCCAATATGA CTCTATTCCT AGACAGGACT TATAAGAGGT AATTAAGGTT AAATGAGGTC 20220

ATTAGGATGG GTTCCTAACT GGATAGGATT GGTGGCCTTA TAAGAAGAGG AAGATTCTGC 20280

ACTTGGTCTT CCAAATTAAA TAATTTATTT AAAAGAAAAA AAAAAAAGA GGAAGAGAGG 20340

GAGCTCTGCA CATATACTGA GGAAAGGCTA TGTGAGCTCT CACAGTGAGA AGGTAGCACT 20400

CTACAAGCCA GCAAGAGAGC CCTCACCAGA ATCCAGCCAT GCTATACCCT GCTCTGAGAC 20460

TTCCAGCCTC CAGAACTGTG ATAAAATTTT GTTGTTTAAA CCACACAATC TATGGTATTT 20520

TTTTATGGCA GCCCAAGCCA ACAAAGACAG CATCATTGCT GTCACTTACA GACAAGAAAA 20580

CTAAGACTAG GAGAGAGAAA AGTTAAACTT GTCCAAGGTC ACAAAAGCCA GAAACAAGTG 20640

AGGTGAGAAG TTGACCTTGT TCTCCTCAAT CCAAGGCCAG GACTCCTCCA CTCCACATGT 20700

AGATAGCCAC CTCACAGTCA ACAGCCAAAT GTCCACACCC CAGAGTCAGC ATTAGACCAA 20760

GATGTCTTAC CAGGAGACAA ATGCCTCATC TTGAATAAAT ATGTTCTAAC AACTTACCCA 20820

TGTAAAACAT TGAATCTCAT GAGAAACAAA AATGCAAAGT ATGTAGAAAA CTATGTTTAC 20880

CACTTAACTG ACAGTGATAA AAAGCTTAAT GATATCCTTA TAGTCTTGGA GGGGTTTGTA 20940

TATGTGGTGA AACAGGTGCT CACGCACTGC TGATAGACTG TAAATTGGTC CTAGAGAGAA 21000

AAATAAATAA ACTGGAAGGA GTTATGCTGT ATGTTTACTT TTTTTATGGA AACATATGAT 21060

ATACCTGGAA ATTCGATTGG CCATGCATCT ATTTCTTCAA TGGGTATGCA CAGTTGAGCT 21120

GTTCCCATGC ACCAGGCACT GTAATGGGAC AACTGCACAT GACAGTCAAA AATCTCAGTC 21180

TCATGAAGTC GACATGCTCA TGGAGAGGTG CTACCCACTA AACTAATATT TGTATATCAA 21240

TTATGGATAC ATTGGGCCAC ATTTACAGAA ATTCACTTAC AGTGGGTTAC CAGAAGGGAT 21300

TTTTTTTCTT GATTGGCAAG AAGGCTAGGC TGTTTTGTTG GGGGCTGGCA GGAGCTGTCT 21360

AGGCTGCCCA AGTATGCAGG TCTCTTCTAT CATCCTGTGT TAACCATCTT CCATGTATCT 21420

TTCAACCTCA TGGTCATCTG CAGCATGTCT AGGGGTCATA TCTATGTTCC ATGCAGGAAA 21480

```
AAAGGGTAAA GGGAAAGGGA AGTAGGCATG TACCATTTTA ATGCACACCT TGGTTTTCAG   21540

AAAATTTAAG AAGAAAGACT TTCTGCTTTT CTCTGACTAT TCTGTATTCT GGATTACAAC   21600

GCAACAGAAA CGTCACCTTA AATTCTAATG TTTTTCTCTC CTTGCTTTCA AAAACTGACT   21660

CATTAACCTC CACGTGGCTT GGAAAAATTA TTTCAGTCAT CCAGTAATGA GCTGTTCATA   21720

GAAATGTTTT GGACATCAAG TCTGTGTTGT TAGCATTATA CATGTTAAGC ATTGAATAAA   21780

AAACAACATG ATGTGGGTAC ATTTCTTTAC TTACATATAA GTACTTATAT ACTTATAGCT   21840

GAAAAGAGAG GTTGAAATGT CAGGTGGAAC AGAAATAAGA TTACCTAGAT GTTTCTCCTA   21900

TGGGTGATTT TCAGCTATGC TGATCTTTCT TCTGGGTCAG GTACTCCCAG AACTTCCTAA   21960

TTAAATGGTG GCCCTGATCT TAGTTCCTCT CTCCTCTTAG ACATTTCCA GGACTACAGA   22020

AGATGTGCAG TTTATAAATG AGTAGCAGAA ACCTACTGAA CAAATTATTC AGGCTCATCT   22080

GAACAGAGAG GACACCTTCT CTGCTATACT CTCTCAGTGA TTTCCCTGCC TTGGGGTCAA   22140

TTATTGTCTT GGACATTGAT TTAAGCACAT AATAATTGTT GTCATTGCTT ATGTTTGGAT   22200

TTCATCTCCC AAAATAGATG GTAAATTCTT TAGTTTAGAG ACCAAGTAAT ACTTACAAAA   22260

AAATTTTGTG TGTGTGTGTG TGTTTTTTCT GTGTCTCTCA GCCCTGTAAT AGCATCGTAC   22320

TTACACTTGT TAGATTTTTA GAGACAACTT TTACAAAACA TGGAATTATC TACATACCCT   22380

TTCTACAAAA CAGACAAATT AAATACTCAG TAGTTGAACC AAAAAAAGCA GTTCAAATAA   22440

AATACTTGAA AATGAAGAAA TCATTTGAAC AGAGTTAAAG TTAATCGTAA AATAATGTCT   22500

GTAAAAATTA TTGCCAATCA AATATAAAGT TCAAAAATAG TGCTTGAAAA AGGAAGAATC   22560

ATATGAAAAG GGACTACTCA TTTTAAAAAT GTTAGATATC AGGAAAAGCC AAGAAGTGAG   22620

TATGGTAAGA GTGCTGTCAA GTGAAACCCT GCTAATCTCA CTGAACATGT AAAAATCTGT   22680

AGATGCCTTT ATTTTATTCA CTCACACACA TATGTAGAAA GAGAAATATA TGGTAAACAT   22740

TAAAAAAAAC AAATTAGAAT GTAAAATTAA TACTTTAAAA AATGGGCTGT ATACTTTTCT   22800

TATCACCGGA GATAAGAATT TATTATTTTT AAAATAAAGT TATTTTCTCT GTGACTGTTT   22860

CCATGACTTT GCTACTTAGA AGTTAGAGAT GCCAAAGTTT ATCTAAGAAA ATGTTTATGG   22920

AAATATTATT TCAATAATGA ATGTTTAGAA GACTGAATTT CCTGACTGGG CACAGTGGCT   22980

CATGCCTGTA ATCCCAGCAC TTTGAGAGGC TGAAGAAGGA GGATCGCTTG AGTCCGGGAG   23040

TTCAAGAGCA TCCTGGGCAA CACAGCGAGA CCCTGCAGCA AAGTAAAAAG AAAAAAGAAT   23100

TGAAAAAGGA AGACTGAATT TCCTTTGGGC AAGTCATGTG ACATTCCTGT GCCTCAGTTT   23160
```

-192-

```
CTTCATCTAT AAAGTTAATT CCTACATTTT TGGGGAAGGG AGAGAAAAAC TTAGGATAGT    23220

GACTGGCACA GAAGAAGCAC TATATACTAT ATATATGTGG ATATCATTTG TTTTTATGGT    23280

ACCATTTTAG CTATCTAATG CAAAATATGA ATCTTTTTTT TCTGGGTCTT AAATTATGGA    23340

ATGTAAGAAT TTTCTAAATT CTCTAATTCT GTGTTAGTTT TAAAGCAATG GAGTAACGTA    23400

TCTGTCAACT TGTAAATATA AGGATCAACC TGATCCACAA TTTGACCCCT AGCCACTAAT    23460

ATTTAATAGT ACAACACTCA GAAATTATCA AAGGTCAGAG AAGCCAAACA AATGTAAAAA    23520

CATACAGGTG CTCAGAAAGA TGCACCTGTA ATCTCTCTAA GGAGAAATAT TTTCCAAACT    23580

GAGTGACACG GTGCTTTAGT GAGTTGTGGA ATCAATCTCA TGATTCCAA CCTAGTGTTC     23640

TTTTAAAAAT GAACTAGTCC ACAGTAGAAT ATACTAAAGT GCTGGTGCTT AAGATAGTAT    23700

TGTTTTCTGG AAAAAAAAAA AAAATTTTTT TTTTTGAGA CAGGGTCTCG CTCTTGCCCA     23760

GGCTGAAGTG CAGTGGCACA ATCATGCTCA CTGCAGCCTT GACCTCCTGG GCCCAAGTGA    23820

TTCTCCCACC TCAGCCTTTT GAGTAACTGG GACCACAGGT ACGTGCCACC ACACCCGGGT    23880

AATTTTTTAA TTGTAGAGAC AGGGTCTTGC TATGTGCTTA GGCTGGCCTT GTGAACTCCT    23940

GGGCTCTAGT GATCCACTAG CCTCAGCCTC CCAAATTTAT GGGATTATAG GCATGAGCCA    24000

CCCTACCTGG CCTGTTCCCT GAATTTTTTT TTCTTTCAGG TGTTTGTGCA TATGTGTGTG    24060

TGTATGGGTA TAACAGAGAG ACAGAGAGAA AGAAACTTTT CTATCACACT TTGCAATCAG    24120

AAGTTTGAAG TCTTATCTTT TGGCTTTTGT TTCAGAAATA TTTCAAATGT AGACTCTCTC    24180

CTTTACCACA CTGTCCCCTT AGGCAAGGTC TTTGCCATTC TTCTGAGACT ATTGCAACAG    24240

ACTCCCAACT TCTGACTGTG GGCCCTTCTC AAAAATGATT GTTTATGCAA TAAATCTAAA    24300

CCCAAGACAA CTACAACAAT ACAACAAATT CTCTGCTTAA AAACTTCCAA TGTCTGCCGG    24360

GCGCGGCGGC TCACGCATGT ATTCCCAGCA CTTTGGAGGC AGAGGCGGGC AGATCACTTG    24420

AGGTGGGGAG TTCGAGACTA GCCTGGCCAA CATGATGAAA CCCCATCTCT ACTAAAAATA    24480

CAAAAAATTA GCCAGGCATG GTGGTGGGCG CCTATAATCC CAGCTAATTG GGAGGCTGAG    24540

GCAGGAGAAT TGCCTGAACC TGGGAGGTGG AGGTTGCACT GAGCCAAGAT CACACCATTG    24600

CACTCCAGCC TGGGCAACAA GAGCAAAACT CTGTCTCAAA CCAAACCAAA ACAAAACTTC    24660

TAATATCTAC CAAATGTTTC ACACAAGTAT TTGGGGATCT TCACAAATGG CCCTTATGGA    24720

GTTTTCCTTT GCTGAGACCC TATGCTCTGG CCACACTAAA CTCATTCAGC ATCCCAGAAA    24780

GGCCTCAGCC TTTGTGAGCA AGCTCTTATC TCCAGGCCTC TCACAAAGAC CTGTTCCAGT    24840
```

```
AGAAGCTCAG GGGAGCACAC TGGACATTAT TCCAACAACC CTTTCCCCAC AGCTATGCAG    24900

CCAAATCTGC CAGCTCAGTT AATTAATTAA GCAATTCAGA GATGAGGGTC TGCCCAGGCT    24960

GGAGTGCAGT AGCTGCGACC TCAAGCTCCT GGGCTCTAAG TGATCCTCTT CAGTCTACCC    25020

AGAAGCTGGG ACTGCAGGCA TGTGCCACCA CACCCAGCTA ATTTTTTTTT TTTTCAGTAG    25080

GGACCAGGCC AACCTAGTCT TGAACTCCTG GCCTCCAGCC TTCCGAAGTG CTGTAATTAC    25140

AGGCATGAAT CACTGCGCCC AGCCAACCCG CCCAGTCTTG TTAGACATGG GGTCTGTAGT    25200

TTCTAGTAGG TTCTTGAGTC TAGGGTTCCT ACCTCATGTT TTATAGTTAA TTTAGGGGAG    25260

GGACTGTGTC TGTTTATCTG GGGATGTAGG GGTGGGCAGG GGGATAGAGG GGACTTCAAT    25320

TAATGAAACC AGAAGCAAAA CTCAGTTGAG GACACCGGTC ATGAGAGTGG CCTGATTATG    25380

GCCAATCTTA CATAATGTGT GAGATCTTGA TATTACCCCA TCCTTGAGAG TCCTCTATAA    25440

AGCTACAGGG ACTTGGGAGC ACCTTTAATT ACAGACAACC CATGTTCCTG TGGATTATGA    25500

TTTATTAGAT TGCACATGCC TAAATAAAGA CATCCTCTGC AGTCTTTTGA CAATTCTATA    25560

AGCATCTTCT GACTCCGCAA TTAGACAGCT AAGAGATCTG TGTTACTTCC CTCACATATA    25620

TAAATAATTT TAAATAAAAA TCATGGCGTG AATAATTTCT TTCCTCTACC GATTTGAAGC    25680

TATCCATTTG GAAGACCACT CTGAAGAGAT GAAATAAGTC TTCTGCCAAA GATTACTTAT    25740

TAATTTACAA GGAAAAGGGG AAGTTTTGTT CCTCTCCGTG AATTTGATTG AAAATCGAGG    25800

GCTTTCTCGA ATAGTTTTGG CATCCAGGGT CATTTTTCAT TAAAAAGAGA AAAGTCATGT    25860

CAAATATGAA TTTCCGCAGA TTATTCAGCA CTAGACCCTG GGAGATTCTG TAAAGAGGGG    25920

TTTTGTTATA CTCAACTTTT CCGGGTAAAA CAAACACAAA TACTCCTCCT CCAAGGGGCG    25980

GGGGCGGTGC CTAGGTGATG CACCAATCAC AGCGCGCCCT ACCCTATATA AGGCCCCGAG    26040

GCCGCCCGGG TGTTTCATGC TTTTCGCTGG TTATTACATC TTGCGTTTCT CTGTTGTTAT    26100

GTCTGAAACC GTGCCTGCAG CTTCTGCCAG TGCTGGTCTA GCCGCTATGG AGAAACTTCC    26160

AACCAAGAAG CGAGGGAGGA AGCCGGCTGG CTTGATAAGT GCAAGTCGCA AAGTGCCGAA    26220

CCTCTCTGTG TCCAAGTTGA TCACCGAGGC CCTTTCAGTG TCACAGGAAC GAGTAGGTAT    26280

GTCTTTGGTT GCGCTCAAGA AGGCATTGGC CGCTGCTGGC TACGACGTAG AGAAGAATAA    26340

CAGCCGCATC AAACTGTCCC TCAAGAGCTT AGTGAACAAG GGAATCCTGG TGCAAACCAG    26400

GGGTACTGGT GCTTCCGGTT CCTTTAAGCT TAGTAAGAAG GTGATTCCTA AATCTACCAG    26460

AAGCAAGGCT AAAAAGTCAG TTTCTGCCAA GACCAAGAAG CTGGTTTTAT CCAGGGACTC    26520
```

```
CAAGTCACCA AAGACTGCTA AAACCAATAA GAGAGCCAAG AAGCCGAGAG CGACAACTCC   26580

TAAAACTGTT AGGAGCGGGA GAAAGGCTAA AGGAGCCAAG GGTAAGCAAA AGCAGAAGAG   26640

CCCAGTGAAG GCAAGGGCTT CGAAGTCAAA ATTGACCCAA CATCATGAAG TTAATGTTAG   26700

AAAGGCCACA TCTAAGAAGT AAAGAGCTTT CCGGGAGGCC AATTTGGAAA GAACCCAAAG   26760

GCTCTTTTAA GAGCCACCCA CATTATTTTA AGATGGCGTA ACACTGGAAA CAAGTTTCTG   26820

TGACAGTTAT CTATAGGTTT AAGTTGTGAT GCAGCTGAGT TGAAAAGGCT TGAGATTGGA   26880

GAATTAATTC AGGCCAGGCT TCAAGACCAT CCTGGGCAAC ATAGCCAGAC TACCATCTAT   26940

ACCAGGGGTC CTCATTCCCC CGGCCACCGA CCGGTAACCG GTCCCTGTCC ATGGCACGTT   27000

ATGAATTGAG CCGCACAGCT GAGGGGTGAG CGAACATTAA CCAACTGAGC TCCACCGCCT   27060

GTCAGGTTAG CTGCAGCATT AGATAGATTC TCATAAGCTC AAACTGTATT GTGAATGGCA   27120

CATGCAAGGG ATCTAGGTTT CAGGCTCCTT GTGACAATCT AATGCCTGAT GATCTGAGGT   27180

TGGAGCAGTT TTAGTCCGGA AATCATTGCT CCCAGCCCCT GCACCCCTG GTCCGTGGTA   27240

TAATTGTCTT ACACAAACG GTCTCTTGTG TCAAAAAGGT TGGAGACTAC TGGTTTTACA   27300

AAAAAGTAAA TTAGTCAAGC ATGGTTGGCA CGCTCCCTTA GTCCCTGCAC CCAGGCGTTT   27360

AAGGATACAG TGAGCTATGA TGGTGCTACC TCACTCCAGC CTGGGTGACA GCGAGTCAGA   27420

CGTTGTCTCA AAACTTAAAA AAAAAAAAG TTAAAACAGA AAAAGGGCTT CTTGTCAGAG   27480

ACTGCCGTAT ATCTAGAGGT CCAGGAACTA AAAAGTCTGA TGTCCAATCC TGAAAAGCTC   27540

GATGGTGCAC TAGAGGAGGC TTTTACATGT AAGAGCATCT AAGTTCTGGA AATGCCAGTG   27600

TCAGGGAAGG GAAGTGGAGA GCAATTTGGC ATCCAAACAT AACTTGCTGA TACTTTTTTT   27660

TTTTTAACA CAAGTACTAC ATTCTAGTCT TTCTGTGGTG TCATTGTAAC TATTGTTTCT   27720

TAATATGCTA TCCACTGACT TCAAGGGATC AATAAATAGG AATCAAGGTG TCCCAGAATA   27780

TGGATTAGGG GAGTTTTTTT TTTGTTGTTG TTGTTGTTGT TTTCATCTAT TCATTATCCT   27840

GTAGCTGAAA TTTAGAATTT TCTTCCATTG TGTGTGACTG ATAGAAATAA CAAATTTGTA   27900

GGTTATAGTT GTTGCAAGAA TCTGGAAATC GTGCTTGCTT ATTTCCGAAG TACTATTAGG   27960

TATATCAACA AAAACACACA TATTACGGTC AAGTGGTTTG ATAATTATTT TAATATTATT   28020

GGTCTAATAC AATTGTAACC CTATGAATTA CTTTAAGTAT CTTATTTATG AAAAGAATCT   28080

GTAAGTTTCA TCAAACTACC AGAGCATACC GAAGACTGAA AAATTTTAAG AATCCAAACC   28140

TTAATGGAAA TGTTGGAGGC TGCCCAATTA GGTTCTGAAT TCCACCTTCC TGAATCACAA   28200
```

```
ACTTGTTTTA ACTCTCAGTC TGAGGTAAAC TACGTTTCTC TTTAAACAGA CATAGTTTAA    28260

TTTTCCTTTG ATTTTTGATT TAGTATTCTT ACTGATCATC ATAAATAACC AATGCTAATG    28320

TTAGTCTACT TTGGACCATG GTATTTCGAG AAACTTTGAA CAAAGTCCCC TGCAAAACTA    28380

TGCATTGCAT TATTTCACAT ACATTTATGT TTTCCAGACG GTTCAATAGT ACCTCACTTT    28440

TCTGAACTTA TTTGTATAGT TTGGCATCTT TTTAAAAATT GTGTCCTATA ATGAAAGGTT    28500

GTAAACATTA TGTTTTAAAT TTGTATAGAT AAAATCAACC ACAGACCTTT CCTTGCTTGG    28560

ATGTAATTGC CATTGTTTCC CAATGAGTTC GGAATTACTA GGATTGTGCA AAAATATGCC    28620

TCACTTGCCT GACATAGCAG AGAGCCATTT TGCCTAAATG CTGTGCCCAG CAATGGACTG    28680

TCACCAGATT CTCATCACAT ACAGTGAGGA TGAACAACTA GCCTCTCCCA GCAGCTGGCC    28740

GGTCTCTCAA TAATATGGGA CTCCCTCAAG ATGGCTTCCT GCACCTTTGC TCCTCTAGCC    28800

TTGTATGTAT ACAAGGCTAG CATGCCTGGC ATACATAAGG TTAAAAACAA AATCAATAAG    28860

TTATGGTTCT TCCTCCAGTT CTGGGGATTA TTAGACCACT TTTTTGTTTT GTTTTGTTTT    28920

GGATGGAGCC TCGCTCTGTC ACCCAGGCTA GAGTGCAGTG GCACAATCTC GGTTCACTGC    28980

AACCTCTGCC TCCTGGGTTC AAGCAGTTCT CTGGCTCAGC CTCCCACGTA GCTGGGATTA    29040

CAGGTGCCCG CCACCACGCC CAGCTAATTT TTGTATTTTT AGTAGACGGG GTTTCACCAT    29100

CTTGGCCAGG CTGGTCTTGA ACGCCAGACC TCGTGATCCA CCCACCTTGG CCTACCAAAC    29160

TGCTGGGAAT ACAGGCGTGA GCCACCGCGC CCGGACTTAG ACCACTTTGT TTTGGCCAAT    29220

AGGACAACAG CCATAGAACC CTCCGCAAAT GAGAGCTTGT CCCTAAAGAT GCTTTATTTA    29280

CATAGCTGTG TGCCGCATGA GCCAAAAGGT GATAACCTTT GTTCAACACG CGCCTCCAGC    29340

CCTTCGGTTA AGTCCAAAGT ACCATTCTTA GAATGCTCTA AAATACATAA TTTTTTTTTT    29400

TTTTTTTTTT TTTTTGAGGA GTCTCTCTCT GTCTCCCAGG CTGGAGGGGA GTGGCGCGAT    29460

CTCGGCTCAC TGCAATCTCT GCTTCCGGGC TAGCTGGGCC TACAGGTGCA GACCACCACG    29520

CCCGGCTAAG TTTTGTATTT TTTTTGGTAG AGGGGGTTTC ACCATTTTGG CCAGGCTGGT    29580

CTCGGATTCT TGATCTCAAG TGATACACTA GCTTTGGCCT CCCAAAGTGC TGGGATTACA    29640

GTCGTGAGCC ACTGCGCCCA GCAAAATGCT TTTTGTGGAG CCAATCACTT TATTAGCGCT    29700

TACCTCTCTA TGCCTACTTT ATGCTTTGAA ATTTTGTCAC AGTGGGGCCG GTCATGGCAA    29760

ACACAATTCA TTCTTATGCA GGCTGTCACG GTTATTTCTG TCATCCAAAC TCATTCTCGC    29820

AACGCATTTC AGCTCTTTAA ACGACTTTGT GAGCGGCCCT GAAAAGGGCC TTTGGGTTTT    29880
```

-196-

```
TTTGTTTTTG TTTTTTGAAG TTCTCAGGAG ACCGCGTATT CTTAGATTCA GCCGCCGAAG    29940

CCATACAGAG TGCGCCCCTG ACGTTTCAGG GCATATACTA CATCCATGGC TGTGACAGTT    30000

TTGCGCTTGG CGTGCTCCGT ATAGGTGACG GCGTCTCGAA TAACGTTCTC TAAGAAAACC    30060

TTAAGCACAC CTCGAGTCTC CTCATAGATA AGACCGGAAA TGCGCTTGAC GCCACCGCGC    30120

CGAGCCAAAC GGCGGATAGC CGGTTTTGTA ATGCCCTGGA TGTTATCCCG GAGCACCTTA    30180

CGATGGCGCT TAGCACCACC CTTCCCCAAG CCTTTTCCGC CTTTGCCGCG ACCAGACATG    30240

ATTCCTATCG CAGTGGAAGG TATGAACTGA AACAGTTCCT TAAATACAAA CTTGGCGGAC    30300

CTGATTGAAA ACAACATGAG TTGGCGCGGT TTTTTTTTT TTTCAAATTT GGTCACCGAG    30360

TGGGTGGAGC AAGAAAAACT GTTTCATTAT GGTTCATTGT TTTGATTGGC CAGTGACAGC    30420

TTGCTCTTTG TGGGAGTGGA AGGGTGTTTG CAAGTTGAAT GCGCTGTATT CCTGTCAGCT    30480

TAATGACGCT AAGCATAGCC CCATTCCACA TTTCTTTTTA TTTCCACTTG CTAACTAATA    30540

AATTACGGAA TAGTTTATTG GGGAACATAC AAATAATGTT TAAAGGAGGT CAGATTTATA    30600

GGTCAAGGGA TTTACCCTCC CAATCATTTT AATATTTTTA TTTAAACCAG GCATTTTGAT    30660

GGCCTTCTCT GTGCTGGACA AGGTATAAGT TTGGCTATGA AGTTTCACTC CTAAAGACCC    30720

TATGTTTTGG GAAGGCAAAA AGGTAGCCAA ATAATTGCAA ATTAAAACCT CATAAGTGCA    30780

AACTTCTTCC TCGTCACTTT CCCTATCTCG ATTCAAATAT TTGTTGAATG ACTCATTTTT    30840

CTGCAAAAGT CTGAGAGAGA CAGGGAATAT AAACTTAAGT CTGGATAATA TGTTTTCCCG    30900

GGACGCTCTT CCTGGTCTGC TGTGCCTGTT TGCTGTGCCT GAAATTCCAA ACACTCTTCC    30960

CTTCCCTCCG TTTTTAATCC CCTTTCAACT TGCTACAGCT TTAGAGAAAA GAACATACGT    31020

TTTGTACAGT TGGGGATTAA TTGAAGTGTA GGGCTAATAC TTGATTAAGG TCATTACAAA    31080

ATCTACAGGG TCTTCCTCTG GGAGGTTTTT GTGATAAGAT TATTGGTGTT AAAATAAGGC    31140

TAATCCCCTT GAAAAATAAA TAGAATAGCA GAATTGGGTC TGAATGTGGT TTGAAGAAAG    31200

GGACTTCTCA ATTCAAAATT TTATTCTTAG CTTCCTGTGG GAGCTTTCCA GAATGCCCAT    31260

AAGATCCACT TTTGTTTAAA AAACAAAAAC AACCCCACCC ACCACTCTCT GGTTAATAAA    31320

TGAATTTCTA TTGGGAATAT TTAGAATGGG GCTGTGGCCT GTGAGAGACA TTATATAGTA    31380

ACCTCAGACT TGCTCACATG AAGAGAAGAA ATCCAGGAAT GGAGAAAAAA GACCCAGGAA    31440

AGGCCAGAAT GCTCTACATG TCATATTGTT TGTATCACTT CTGAAATAAT TGATTACATT    31500

CTTCTGCCCC AAATTGAGTT CTTAGGTTCT TCCACTCACT GTCCACATGC CACAACACAG    31560
```

-197-

```
ACCTTATAAC TAGAGACTTA GCTAGGAAGA AATGTCAAAC ATTACAGAGA AAAAATGCAG   31620

AGTCTGAGAT CATAAGTAAA ACTCTGAAAT CTCAACATGC CTTTTAATTC ATGAAAATAA   31680

AAAATATAGC AGCATATGCA ATATGATAAT TCTCTGAAAA CATACATCAT GTGAACTACC   31740

CTGGAACACA TCTCGCCAAG TGCCATCTTC ATTTTAACCA GAGGTCTAGG ATGCCTTTCC   31800

TTTATTTTGC CTATTATATC ATTTATAAAA CCCCATTTTT ATTTTGATAT TTTATTTACT   31860

TTCTATTTCC TGCTCCTAAT ATCTCCTTTC TAAACTTTTC TCAATGACAG TGACTCAAAA   31920

ACAATGAATG TCAGAACAAA TATTTAAAGG ATCTGTACAT GTAGATATAT ATATTTAAAA   31980

TGGATTCTTC CACTCTGGGA AGAATTCAGG CATACTCAAT CTTATGGTTA GGGAGAGATT   32040

AGGCTCACTC GCCTAATCTG TATGGCTTCT CGTTCGCTTT CCATTTCACC TTCCTCTCAC   32100

CCATCAGATC AAACTCATTC ATTGAACAAG AGACCTAAGC CCTTCAGATT AAAACTCTGC   32160

AAACAAGTTG TGGTTGAGAG GATACATGAA GCATTCAAAC AAATAAATCT ATGATATTAA   32220

TCAGAGGTTA ATCTATGATA TTAATCAGAG GTTAATGCAG TGGCTCACGG CTGTAATCCC   32280

AGCACTTCAG GAGGCTGAGT TGGGAGAATC GCTTGAGCTC AGGAGTTCAA GACCATTTTG   32340

GGCAACATAG CAAGTCTTCA TCTCTACTTA AAAAAAAATA ACCAGAGGTG TTATGAAAAT   32400

ATAAATTGTC CAGAACTACC CTCCACAAAC TAACTCTCTC AGAATATTCG ATATGAGGAA   32460

TGAAATATGG TGTGTGTGTG TGTGTGTGTG TATGTGTGTG TGTGTGTGTG TGTATGCACC   32520

TATATATGGC ACCTATATAT TCAACAAACA ATTCTGATAA TTGGCCAGGG TTGAGAATGA   32580

CTAGCAGCCC AGCATACACT ATCAGTTTTA AGTATATAAT TGCGCTTTAG TAAAATGTAA   32640

AGAAATCCCA GAGTAGAAAT ACTTTTAAGC TATATTACAG GTGAGAAAAT GCATAAGTAT   32700

AGTCTCACCC AACTTAGACT ATGGGGGCTT TATAATGTCA CAACAGTTGT TTCCAGGCAT   32760

TTGGGGACAT CACCACTGGT CTTGGGCAAG AAACTCCTCT AGCCAATGGC TGATTTATCT   32820

CACTCCCATC TAAGGCTTCA CTGCATTTCT CTTTTTCAGC AACCTAACTT ATTTAAAAAT   32880

ATCCATTTTC TGATTCATTT TTTTCTGAAT TAAACTGTCA GTACCATTGG CACACCTTTG   32940

GTTCCGTAGC ATACCTGTGT CTCTGCTGTG GTTTTTTTTA CCTCCACTCC TTACTTTTCT   33000

AGAAAAAAAT CTCTGCTTTT TCTTTTCAGT TTAAATTATT TCACAAAAAG TTTTCTTGAC   33060

TTGCACTTCC TAGGCTTGCT GTCCTTGTGT GGGCACGCTC CCATAAACAC TATTAATACA   33120

CTTCGATTTG TTAAAAATAA AGATATCTGG ACAGAAAATT TCTTTTCTTT TTTTAAGATT   33180

TTAAAATTTT TAATGTTTAT TTTTTTCCTA GACTGGAGTA CAGTGGCACC ATGATGGCTC   33240
```

```
ATGGTAGCCT ACACTTCCCC GGGCTCAAGT GATCCTCCCA CCTCAGCCTC CCAAGTAGCT    33300

GGGACTACAG GTGTGCACAA CCACACCTGA CTAATTTTGT TTATTTGTTT GTTTTGTTTT    33360

TTGAGATGGA GTTTCGCTCT TGTTGCCCAG GCTGGAGTGC AATGGCGGGA TCTCGGCTCA    33420

CCGCAACCTC TACCTCCCAG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC GAGTAGCTGG    33480

GATTACAGGC ATGCATCACC ACGCCCAGCT AATTTTGTAT TTTTAGTAGA GACGGGGTTT    33540

CTCCATGTTG AGGCTGGTCT GGAACTCCTG ACCTCAGGTG ATCTGCCCGC CTCGGCCTCC    33600

CAAAGTGCTG GGATTACAGG CGTGAGCCAC CACGCTCGGC CACTAATTTT GTATATTTTG    33660

TAGAGATGGG CTTTCCCTGT GTTGTCCAGG CTGGTCTTGA ATTCCTGGGC TTAAGTGATC    33720

TGCCCACCTT GTCCTCCCAA AATGCTAGGA TTACTGGCGT GAGCCACCAG GTCTGGCTGG    33780

AAAGATAATT TCTAACATTA TCCTCTCTTA AACATTGTT TCAAAAATTT TACAAACATG    33840

AGAGTAATTA AATTTGATTT TCAAAATTCC CTTGAATACT TTCTTAATAG CACACAGAAA    33900

GCACAAAGTA TTTTACATTT GTTTTAATGA TGAAATTGTG AACCCAAACT TACACAAAGA    33960

AAAACCGTAA CATTATACCC ATACTTAAAA CAGATGCCCT CATATACATA GTAAAACTCT    34020

TGGGGGCAGT AGTGAAGTTG GTTATTTACT GTTTTATGAA AGTGCCATTC AGCCGGGTGC    34080

AGTGGCTCAT GACTGTAATC CCAGCACTTT GGGAGGTCGA GGCAGGCTGA TCACGAGGTC    34140

AGGAGTTCAA GACCAGCCTG ACCAAAATGA TGAAACCCTG TCTCTACTAA AAATACAAAC    34200

ATTAGCTGGG CGTGGTGGTG TGTGCCTGTA GTCCCAGCTA CTCAGGAGGC TGGGGCAGGA    34260

GAATCGCTTG AACCTGGGAG GCGGAGATTG CAGTGAGCCG AGATCGCACC ACCGCACTCC    34320

AGCCTGGGAG ACAGGGCGAG CTCCGTCTCG AAAAAAAAAA ACAAAAAAGT GCCGTCATAG    34380

TGACTTAGTT TTAAGGAATA AATCAAGGAT ATTTAACTCA ATAGACTACA GTTAGCTAAC    34440

GTGACTTGCA CTGAAAGTTA TACGAATATT GGTACTTATT CCCCTGCCCC TGAAGTATGA    34500

ATTAAAGACT CCAAAATTCT TTTTAGAATC TTCAGAGTAA AAGCTAGAAT TTGATTTTTT    34560

TAAATAATAA AAAAATACTT TGTATCTAAA TCTGGTGTAT AAAATAACTT GGTGGATGAT    34620

GCTTCAAGGC TATCCATCCC CAAATTTCTC CCTGAATGAT AAAGAGAATA AATGAATATG    34680

TCAATTCAAA AGTTAGAAAT TTGGCCGGGC ACGGTGGCTC ACTCCTGATA ATCCTTTCGG    34740

ACGCTGAGGT GGGTGGATCG CATGAGCTCC GGAGTTCAAG ACCAACCTGG CAACATAGC    34800

CAGAACCCGT TTCAATAAAT AATAGAAAAA AATGAGCCAG GCGTGGTGGT CCCAGCTACT    34860

CAGTAGGCTG AGGTGGGAGG ATCACTTGAG CTCAGGAGGT CGAGACTGCA GTGAGCCGTG    34920
```

-199-

ATCGCAGTAC TGCACACCAG CCTTGGTGTC AGACTGAGAC CCTGTCTCAA CAACAACAAA 34980

ACAAGTTAGA AATTTGGCTG GGCGCGGTAG CTCACGCCTG TAATCCCAGC ACTTTGGGAG 35040

GCCAAAAAGG GCGGATCATT TGAGGTCAGG AGTTCGAGAC CAGCCTGGCC AACATGGTGA 35100

AACTCCATCT CTACTAAAAA TACAAAAAAA CTTAGCCGTG CATGGTGGCA TGCGCCTGTA 35160

GTCTCAGCCA CTTGGGAGGC TGAGGCAGGA AAATTGCTTG AACCCAGGAG GCAGAGGTTG 35220

CAGTGAGCCG AGATCATGCC ACTGCATTCC AGCCTGGGTG ATAGAGTGAG ACTCCATCTC 35280

GAGAAAAAAA AAAAAATTCT GTATGAACTG AACAAAATAT CCTTAAATTT TAAAATACAT 35340

CTGAAAGATA TTTCAAAATA TTTAGGAAAA AAATTATAGG GATCAGGCAA ATTCTGAGAT 35400

TCCTTTTTCC CTGCAGCAAA CATTAGGAGT GCTGCTGTTC CTAAAAACAT GGTAACTGTT 35460

GCCACACCGT ATGTTTCCTT GGCTCAGACA TAAGGTTGTG TAGTTGTTAT TCCAGAATAG 35520

CTAGAATAAA AATCCAGCAC ATCATTTTCT TCAGCAAGTT AACTAACCTC TCTGTGCCTT 35580

GGTTTCATAA CAGCAACATA AGCATAACAG AATAGCAGCA ATAGCTCCTA CCTACCTCAT 35640

AAGATTCTTT GGAAGAATTA AATTAAGATT CAGAACACAG CCTAATATCT AGTAAGTAAT 35700

AATAATTGGC TAAAAAAATT TTCTTAAGAT TATATATATT CATGGGGTAC AAGTACAATT 35760

TTGCTACATT AATATATTGC ATTGTGGTGA AATCAGGGCC TTCAATCCAT CCCGGAAAAA 35820

AAAAGTTTTT GAAAGATTT CTGCCATGGA AAACTTTTAA TGTACAAATT CATCCATCCA 35880

AGAAATAGAA AATATATAAG TATCAACTCC AAATCCACCA TATCTATCTC TTCTGCACCT 35940

TAAACAATTA CTCAGAAATA GAATGCTTGA GATACCAGAA TGCATGCATA TCAAGTAATA 36000

AATGCATGCA GGATGTCAAC GCATCCTAGG CTTTCAAATA AAATTGTCAT ACAAAATACT 36060

TTAATATTGT AGTAACATTC TACATGTTAG AGTGTAGAAG TTAATCGCTG ATGCAAAAAA 36120

GGAAAAGAAC ACATTATACC CAAAGCCTAC AGAGAGAATC ACAATTACAA ATATCAGCCT 36180

GCATGTGAAA ATCTTTAATT TGAAAGTCAG AAATATTTAA ATGATAGTCA TTGTTAAATC 36240

AGATTGTGGT TTGAAAAAAA GTTAGTTTAA AACTGAGTTT ATGAAAAATT TGGGGATTTT 36300

AGAGACAGTG TTTTGTTTTT AAATGTGTGT GAGTTTGTGA AGAATGTTTT ATAAAATACT 36360

GACAGTATTA TAAGATGACA TTATTATAAT ACAACATAAG AATTTTGGCC TGTACCTCTC 36420

AGCAGTCCTC AATCACCTGC TGTACTTGAC TCAATGATTA TCAGAGTGGT TTGTTTTCCT 36480

TCTGTTGTGT TCCCAGTTCA GGCAGCTCAG CAATGGCCTG TGATTCCAGC AATTCAAATA 36540

GCTGGTAAGT AGTTTCTTGT TTGTTTTCTC AAATTTTCAG GGGCTTTTCT CTACAAGTGA 36600

-200-

```
TTTCCAGTGC ACGCCCCTCC ACCCATTCTT TATTCCTTTA CCTTCAGGAA AACCCTCAGC    36660

GCTGCATCTC TGGTCACCGG ACCACCGTGG TACATTTACC TATGGCCACC AGGTGTCACC    36720

CTTCTCTTTA CTACCATGGT TTGTGAATGG TTTTGCCAGA GGTGAATAAG AATTTAAAAT    36780

GCAGGTCTTT GATTTTTCAA ATGTAGTTGA CCTTAAGAAT TTATGAATAA AGCCAGAAAA    36840

ATTAAGCTTA AAAACACCG AAAGAAAATG AGGACTTAAA ATTTCTATTA AAAAAATTAA    36900

CAGGCCACAG TTGCTGATGT TTAGTAAATG TGTTAGTGAA ATGTGTTACT GTGAAGACTG    36960

GGGTGTTTCT TGAAATCTCA GCCCAGGTGA AATAAAACCA ATATAAAACA AATGCTTACC    37020

TAATAAATTA ATTGTAACAT ATTCCTTATG AGGTAGAAGA GTAAGTGAAG CCTTATAGCA    37080

GTCTGCTTTC AGTATAGTAA GATATTAAGA GAGAAATAAT TTGTCATATG CTTTCAGAAT    37140

GGTTTGCTGG TAAAATAACC AATGTCTTAC AACTTAGACG ACAATGTCCC TAGAGTGAAG    37200

AAACACGATT AATTCGGCTA CCACAGTTGA ATGAAAATAT TCCGTAAGAC AAAATGTAAA    37260

GAAATTAGAA GCAAAATAAA TGTCTCCAAA ATGACAAAGC GATTAAGTAT ATACACAAGA    37320

TGAACAAGAA CTTCAATAAA ATCATGCAGT ATACAATACA ATGTACATTT ATTAAAGTAT    37380

ATGCATTTTT AATGCAACAA TAATACTAAC AGGTAATAGA CAAGTTGTTA ATAGTTTTTC    37440

ACTGGCTAAT TAAATAACAG CTTTAATTGT ATTCATTTTA TAGCTTTTCT ACAATGAGCG    37500

TAAATCACAT TTACTTTTTT CTACATAACT TTTCTAACCA CAAAAAAAGA AAATGGTTTA    37560

AAAGAAGAGA TGAGATATCT TTGCTAAAAT TTAATGCCTA AAGAAGAAAC TTCTGAGCTG    37620

TATATGGTAT CCTGAAGCAC CTGCCCTTCA AGACAGAATG CTTGTACCAC ATTTATGCAG    37680

CCAAGTGCAT GTAGTAACAT AAAGTAAACA CATGCCATCT GGATATATAT ATTAAGACTC    37740

TTTTGACGGC TGGGCAGGGT GGCTCACACC TGTAATCTCA GCACTTTGGG AGGCCGAGGC    37800

AGGCGGATCA CGAGGTCAGG AGAGTTCGAG ACCAGCCTGG CCAACATGGT GAAACCCTGT    37860

CTCTACTAAA AATACAAAAA TTAGCCGGGC ATGGTGGTGC ACGCCTGTAA TCCCAGCTAC    37920

TTGGGAGGCT GAGACAGGAG AATCGCTTGA ACCTGGGAGG CAGAGGTTAC AGTGAGCCGA    37980

GATCATGCCA TTGCACTCCA GCCTGGGCAA TAGAGTCTCA AAAAAAAAAA AAAGACTCTT    38040

TTGAACATGG TGAACTGATT TCCCAGAATC TAGCAATTCC TGAATGTCCT GGTTAGATTT    38100

TTTTTTTAAT GTGCACCGGA ACCCCAGTGG CTCCATGGAA GGACCTGGGC ATCCTCTAAG    38160

CCACTTGGTG GCTTCCATTA TACCATCTCA AAATGAGAGA GCTTACTCCA CTTCATTGAG    38220

GGAAATACCA CCAGAGTTCT GACTCCAGAG GCACTGGCCT AGGGAGGACA CCGTGTGTGA    38280
```

AGCCCAGCAG GGCCACTAGC TGTCCCCACC AATTACAGTC CTTGCGTAGG GTCCAAAGAA 38340

ATGAATGCCA AAGAGAGCAA CAGAGGAGCA AGGGAGTCAC ATTCCAGGAC CTTCCTTCAG 38400

GGACTTTTAA AGGAAACATG ACAGCTGAGG ATCAGTTGGT TGTTTTCTGC TGTTCCCCTT 38460

CATGTGATTC AAGCTCATTC AGAAGAAACA CAATGAGACA AGAGAAGAGC CATCTCCTTC 38520

CTTCTCTATT TATTCTAGGC ATCTAAACTA CTGAATGTAG TGGTGTCTGA GATGTATCAA 38580

ACGGTCAGAT TGACTGAGTT TGAAACCTGT TTCTATCACT GACAAACTAT GAGATACTCT 38640

ATACTTCACT TTCTTTTTTT TTTCATTTTT TTATTTTTAT TTTTATTTTT TTGAGATGGA 38700

GTCTCACTCT GTCACCTAGG CTGGAGTGCA GTGGCGCAAA CTCGGCTCAC TGCAAGCTCT 38760

GCCTCCTGGG TTCATGCCAT TCTCCTGCCT CAGCCTTCCG AGTAGCTGGG ACTACAGGCG 38820

TCTGCCACCA CGCCCAGCTA ATTTTTTGTA TTTTTATTAG AGATGGGGTT TCACCATGTT 38880

AGCCAGGATG GTCTCGATCT CCTGACCTCG TGATCCACCC GCTTTGGCCT CCCAAAGTGC 38940

TGGGATTACA GGCGTGAGCC ACCGTGCCCG GCCTACTTCA CTTTCTTCAT TTAAAAAAGA 39000

AATGGGGATA ATAGTACCTA TCTCATAGAA TTATTGTAAG AAGTGCATGC AGTAATGCAT 39060

GTAAGTAGGT GCTCAGAAGA GTCGGACACG AAGTAAGTGC TTTTATCATC CTTATCATAA 39120

TTTTCATTAT CAGAACAAGG AGAGACCAGG TAGAAAATTA TTGTGATTCT TCAGGTCTGG 39180

AATACTAGAG TAGCATCCCA AATGAAGGCA CCATTAAACT TTGCAAATCT GTATGACACC 39240

TTCATGCCAA TTAGAAAAAA CACCTCTTCA CAACCCCTTT CAAGATATTT GCCTCCTACC 39300

TGCTAAAAAC ACCCATCATA CTACCCACAG ATAGCCATGA TGCTTTTTCT GGGACAGGTG 39360

CCTCTTCCAT TCGTGCAGTG TACAGCCTTC ATAGCTGTGC AACTCACATC ACAATCAGAT 39420

GGAAGAATCC CCAAGGCTTG GTGACAGATG AGTTACTGGG TAACACAGAG AGAGGATTCA 39480

AAGGAAAAGT TGAACGGGTC CAGAAAATGC ATAGATACAT GTGTAAAAAT CTGGTAAGGT 39540

TATGACTAGC CACGTCCCAG GGTTCAAAGC TTTTCTCAGA TGTTAAAATG AATCATGTAA 39600

GTCCCCCAAA TTTAAGGAGT CCTCTTCCAA AAATAGGAAA TGAAATGACA TAGGTGTATG 39660

TCTCTGAGGT GACGGAGGAA ATGAAGGAAG CCTCTAGATG CAGCTTGAGG TTCATGAGAG 39720

ACAGTTCCAG GGGAGAGGTC ACAGCTAGGG ATCACCGGCA TGCAGGAACT CAGAAACCTA 39780

AATGGGGAAA TCTTTTTGAG GAAATGAACA GAGAAGGCTA AAATCAAGGA GTTCGTCAGG 39840

CAATTTCTAT GTTAGGTTC AACTCTCTCC TGAAACATGA AGAGCTCATA AATGCACTCC 39900

CTCTTTGAGT CTCTAGTTTT GTCTCCTTCC CACAGTGAGT CTGCAGGCTG CGTGTCACTC 39960

```
ACGTTCAGCT AAGACGTAGT GCCCCATGGC TCCTCCTGTG GAGACAAGAG ACCCAGGAAA    40020

GAGGCATCAC AAACCTAGGC ACCATCTTGC CTCTTCTCTC TTCCTTATTT TCCTCATTCA    40080

CCCATCTCAA TTTAGACCTG GGCACTATTG GATTTCAAGA ACCATTATCT CTCATCTGGA    40140

AATGCTTATT GGCTTTCTAA CTGGTCTCCT CACCTCTCAT CTAACTTCTT AACAACACAT    40200

TCACCATATA AGGGAGATCG TGGTCCTCCT TTCTTAGGAT CCTTCAATGA CACCCCAGTG    40260

ATCATAACCC AATATCCCAA AAGACCCTTG GACTCTGTAT GAGCTGGCTT CTTTCTGATT    40320

CTCTTTTCCC TACACCACAG ATGTTCAGGG GGTAGAAATG CATAATTGGT GAGTGATAGC    40380

TAAGCAAACT CAGGGTTAAG GTACAGTAAT TATTTCTAAT CTCCCAGTAT GCCTTATACT    40440

CTCCTACTTG GCATGGTTGC TCCGTCTGTG TAGACCTCCC ATCATCTTCA ACCTCACCTA    40500

ATGGAATCCA GCTTCTCCTT CAAGATCCAG AAGGCTATCT TGATCCCCAG CTGAATGTGA    40560

TCATTCTTTC CTTTGACACC CTAAGCATTT GCTTCCTGCC TGCTTTAGGA CCTCATGGGG    40620

TCTTCTTTAA CTACATTTAC TTGCTATCAA TTTCATTCCC TACCAGATTT GGGTTCTGAG    40680

AATAGCCACA GTGACTTCTC AACCTCAAAG CCCCTGTACT ACCTTAAACA GCTCTTGCAA    40740

AATAGTAGGT GCTCTGAAGA TGTTTGTTGA ATTAGAGACT TTCATTCTGG GGAGAACCAT    40800

TATTTTCTGT CTCCCAGGGA GCTGCTGGTG TCCCCAAAGA ATATAAATGA GAAAAATGCT    40860

TCCCATGGAT GCCAGATCCC CTCTGCCCCT CTTCCCACTG TGCCCTGGGG CAGAGGTACT    40920

AAGAGACTTC CCCCTTGTTC CTACTCACTT GAACCCTGCC TCTTCCTTAA TATTATGAAC    40980

AAAATTCCAA TGAACAAGAT GACGACAAAA ACAGCAATTC CACTGATGAC TCCAATGACT    41040

AGGGTGCCAG ACGGTGAGGG CTCTAAAACA GAAAAAGCAA GTTAAAGCCT TTGATTGCCA    41100

CCCTCAGCCC ACCCCCTAAC AAAGAGCAGA TCCTCATCTC ACTGCCATAA TTACCTCCTC    41160

AGGCACTCCT CTCAACCCCC AATAGATTTT CTCAGCTCCT GGCTCTCATC AGTCACATAC    41220

CCCAGATCAC AATGAGGGGC TGATCCAGGC CTGGGTGCTC CACCTGGTAC GTATATCTCT    41280

GCTCTTCCCC AGGGGGTACA GCCAAGGTTA TCCAGCCCTG GTAGGTCCCA TCCCCATTGG    41340

GCAATACGTC TTTAGGTTCG AACTCCTTGG CATCCATTGG CTGCTTATCC TTCAGCCACT    41400

TCATGGTGAT GTTCTGGGGG TAGTAGTTCA AGGCCCGACA CCGTAGAGTG GTCACTGAAG    41460

AGGTCACATG ATGTGTCACC TTCACCAAAG GAGGCACTTG ACAGGAAAGA GGAAGGATGA    41520

GGAGAGGGGA TCTGTTTACC CTTGCCAGGA AGACTGGAAC TTTCACTTCC TTCTATAGGT    41580

TGGAGGAAGG AAATACCCTT TTCAGAAAAA AACAAGCTAC AGGAGAGACA CCATTTTGTG    41640
```

-203-

```
TCCTAAGATT GGACTCTAAC ACAGTGTCAC TTGGAGAGCA GTCAGATCAG CTTGTTCTCC   41700

TCACATGTAA ATATACATAT CTGTTACCCA TGTTCTTTGT TCTGATAGAT AAAATTGCCC   41760

TTTATGTGCA TTGAAAATGA TTGAATACAG ATGGTCAGTT TCACCTGGGT CAACCTAGGA   41820

GGCATTGTTA TAAGAAGCGG ACTTGTAAGA TAGGTAGCTT CAGTGATTAT TGCTATGTTC   41880

TATGAAAGAA ACTTTTAACC TAAAGGATTC TTCTACTCTG ATAAGTGGCC TCACTTGATA   41940

TTTTGTCCTG GTATTCATAT GATAGCTGAG ATCTCTGAAT TCTCTTTTTT TTTTTTTTTT   42000

TTTTTAAGAT GGAGTCTCAC TCTGCTGCCT AGGCTGGAGT GCAGTGGCGC GATCTTGGCT   42060

CAGTGCAACT TCCGCTTCCC AGGTTCAAGC GATGCTCCTG CCTCAGCCTT CCAATTAGCT   42120

GGGACTACAG GTGCGCATGA CTGTGACCAG CTAATTTTTG TATTTTTTTA GAGACGGGTT   42180

TCACCATGTT GGTCAGGCTG GTCTCAAACT CCTGACCTTG TGACCACCCG CCTCGGCCTC   42240

CCAAAGTGCT GGGATTACAG GGGTGAGCCA CCGTGCCCGG CCTTGACATT TCTGAATTTT   42300

TAACAGGTAT AAATATACAA AAGATTATTG GTTAAATAAA AAGCAAGGGC CATAGACACT   42360

TCCCTTTGAG CCATATGCAT GGAGAAAAGA AATTAAACCC ATGACTTGTG GCTGTCTCAT   42420

ACATCTCAAT TATAAGGTAG AGACTCTAGG ATTGAGAAAG TCCCTTCCCA GAATTTGGAG   42480

AGGCACACAG CCTCAGCCAC CTCTGAAACT CCAACCAGGG ATTCCGTGCC CTGCAACCTC   42540

CTCCACTCTG CCACTAGAGT ATAGGGGCAG AAGTGTGTTT CCACCATACC TTGTTGGTCC   42600

AAAACACCTC TCCCCAGCTC CAGCAACTGC TGCAGCTGTG CAGGGCAGTC CCTCTCCAGG   42660

TAGGCCCTGT TCTGCCTGGC CCGAATCTTG TGCCTTTCCC ACTCCAGCTT GGTGGGCCAG   42720

GCCCTGGGTT CTGCTGCTCT CCAATCCAGT GTGTCAGGGC AGAATTCAAG GTGGTCCTGC   42780

CCATCATACC CGTACTTCCA GTAGCCCTCG GTACTGTTGT CTTCTTGCAT TTCACAGCCC   42840

AGGATGACCT GCAGGGTGTG GGACTCTGGA AAAATCCCCA GCCTTGTTAA CTGCAACCAA   42900

AGGAATAGGT CCCTATTTCC ACCATCCCCA AGGACCAAAT GATCTCAGGA AGCAAATTCC   42960

TTCCCTCTTC CCTGCTCCCA CAAGACCTCA GACTTCCAGC TGTTTCCTTC AAGATGCATG   43020

AAAAGATGAA AAGCTCTGAC AACCTCAGGA AGGTGAGGCC CCCTCTCCAC ATACCCTTGC   43080

TGTGGTTGTG ATTTTCCATA ATAGTCCAGA AGTCAACAGT GAACATGTGA TCCCACCCTT   43140

TCAGACTCTG ACTCAGCTGC AGCCACATCT GGCTTGAAAT TCTACTGGAA ACCCATGGAG   43200

TTCGGGGCTC CACACGGCGA CTCTCATGAT CATAGAACAC GAACAGCTGG TCATCCACGT   43260

AGCCCAAAGC TTCAAACAAG GAAAGACCAA GGTCCTGCTC TGAGGCACCC ATGAAGAGGT   43320
```

```
AGTGCAGAGA GTGTGAACCT GGAGACAGAG CAACAGGCCT TAACCATGTG TAGTAGGAGG    43380

GGAGCAGGAT GTTGAGGCTC CACACACCTG CATCAACTCA TACCATCAGC TGTGTCTGGT    43440

CCTCATTTTG TGAAGGGTGA GTTGCAGTCC TGTCTTTCTT CCATATGACA GTCCTGGGTG    43500

CTCTTTCCTT GTGTGCTTTT CTCTGCCACA CGTGGCTGCC ACCCCCTCAC TGCCCCCAGA    43560

TCCTATTCCA ATACTCATGA TTAGACAGAC TCCACTAAAG CTGGTGGATT CTAGAAAATG    43620

TTAAGGTGTG TCTAGCCATG GTAGTTGAAC TCAGGAGTTG GTGCTCAGGG CAAATTAGAC    43680

CCAAATCCTG AGGAATAATT CCTTCAGTTT TTTTTTTTTT TTTTTTTTTT TTTTTTTTTT    43740

GAGACAGAGT CTCACTCTAT CACCCAGGCT GGAGTGCAGT GGCACAATCT CAGCTCACTG    43800

CAACCTGCAC CTCCTGGGTT CAAGGGATTC TCCTACCTAA GCCTCCTGAA AACCTGGGAC    43860

TATAGGCGTG CGCCACCACA CCAGGCTAAT TTTTGTATTT TTAGTAGACA TGGGGTTTCA    43920

CCATGTTGGC CAAGCTTGTC TCAAACTCCT GACCTCAAAT GATCTACCTG CCTCAGCCAC    43980

CAAAGTGCTG GGATTACAGA AGTGAGCCAC CGTGCCCAGC CTTGGTCCTG AATTCTTACA    44040

CTGAACTGCC TATGTGGCCT CACCACTTGG AAGCCTGACT GGAATCTCAA ACTTAACATG    44100

TCCAAATGCA GATCCTTGAT TTACCCCAAA CTGCTCTTTC CTCTGCCTTC ACCATCTCAG    44160

AAATGGCATT GCCAATTACC CCACTGCTCA GGCCAATAAA ATTAAAATAA AGAACAAAGT    44220

CAACTTTAAC TCTTCTCTTT TTCAGGGGGT CAGGGGAGAC AGGGTCTTGC TCTGTCACCT    44280

AGGCTGAAGT ACAGTGGCAC AGTCATGGCT CACTGCAGCC TCAACTTCCT GGGCTCAAGC    44340

AATACCCTCC ACCTCAGCCT CCCGAGTAGC TAGGATCACA GGTGCATGCC ACCACACCCA    44400

GCTAATTTTT GTATTTTTTG TAGAGAAGGG GTTTTGCTGT GTTGCCCAGG CTGGTCTTGA    44460

ACTCCTGAGC TCAGGAATCT GCTCTCCTTG GCCTCCTCCT TGGCATGAGC TACTACACCC    44520

AGCCAATTCT TCTCTTTCTC TCACACAACA TAGAATCCTT CAGCAACTTC CTTCAGAATA    44580

TATTCAGGAG ACAATGGTTT GTCACTCCCT TTTCTGTTCC CACCCAGCCC ACTCCACTAC    44640

CTCTTGCCTG GACTGTGTAA CAGCTTCCTG GCTGGGCTCC CTGCTTTTAC TGTTGCTCCC    44700

TTCATTCTGC TTTCCACATA GCAGCCAGAG CAATCTTTTA AAAGCCTGTG ACAGATCACT    44760

GTTACTCCTT GGCTAGAATT CACACCACAG CCTACAGGCG CCTGCACAAC CTTGTTTGTG    44820

GCTCCTCTTC TGAGCCCATT ACCTACTTCT TGGCCTCTAC TCCCCAGCAC TACTTGTTTA    44880

TTTTTTTCAA CCCGAGCTTC TTAACCAGGA GTTTGTCTAC TAGGTGACAT GTGGCAAAGT    44940

TTAGAGACAT TTTTGGTTGT CAAGACTGGG GGAGTGCTCC TAGCACCTAG TGAGTAGGGA    45000
```

-205-

```
GGACAGGATA CTGCTAGACA TCCTACATGC AGATGGTAGT CCCCCTTCCC ACCCCCACGC   45060

CGCCCCCCCC CCCACACACA CACACATGAG TAGTGCTGAG AAAACCCGCT TTTTAATCCA   45120

ACTTGCCAGG CCCACTCAGT TTGCCTGGGA AATACTGCTC CCAGTCAATA TCATTCTTAT   45180

TTCCTTCATG TCTCTGCTCA AGTGTCAGCC CCAGAGTGAC TTGCCCTGAC TTCTCTGCTT   45240

CTCACAACAC CCATGATTTC CTGATGTTGT ATATCTTTCT GCTCATTTGC TTATTGTCAT   45300

CTCTCCCACT AGAATGCAAA ATATCAAAGG GTAAAGACTT GTTTCCCTGC TCTCTCCCTT   45360

GGGGCTTGAA CAGTGCAACA CATGGCTGGG ACTCATTTAC ACTTGTAAAC AATGAATATT   45420

TCTGCTCAAC ATGAAATTTT ATTATTCAAC CTCTAATGCA GTGTGATGTT TAAGAATCAT   45480

AGCTATGAAG TGGAGACATG AGCTCTGCCA CCAAAGCCCC GTGTACCATT GAATAAATTT   45540

GCCAGGAAGC AGGCCGTGCC ATGCCTCATT CTTGTCATGT GTAAAATGTG GATACACGTA   45600

GTACCAAAAC TCAAAGTGCT GTGCTGAGGC CGGCGTGTGA CCCACAGAAC ACTGTGCTAC   45660

ACTACAGGGC AAAATCACTG TCAACTAAGA TTAGAAGCAG CTGTAGTACT TGAAATAACA   45720

TCAGAAAACC AGATTATTTA TGTTCTTTGT AACCTGAAAA GAGTTATATA ATCTGAATTC   45780

CAGTTAACTT CTAGTAAAAT AAACGTATTA TTAGCTCCTA CCTCCCTATG CCTAGTGAAA   45840

ATCAAATAAG ATCAGATATG AATGTAACTT AGAAGTGAGT GCATTGCTTA CATGTTCATT   45900

ATCAGTACTT TGTAGAGAGG CCTCTTAATT ACACAGCACA TTGCAAATCA ATAAAGCCTA   45960

GCCGAAAAGA GAATTGTTCA GTTCAAACGT TCAAAACTAA CATATACTTA ATTTTCCAGG   46020

CAAAAGAACA ATTGCCAAGA GTGGGGAAAG GCCCGAGGTA GGCCTCTCTC AGGAGCCTCC   46080

CACCCTAGAG ACCTCCACCC CAGGTCTCAC CAAAAGTGGG TGGAATGGTG AAGAATTCAG   46140

ATCCCCAACG CCACTCTTTC GCGCCCCCAC CGCCCAACGC ATTCGTTCTG AGGTGGAAAC   46200

CCCGTGCGGA TCCTGCTGTG GGTTTGCTCA GCCTTCTCGG CAAGCACTCA GGGAAGAACT   46260

TCCTGTTTGG AGATGACTGG GGAAAAAACT GCACAGCTGA CATTGGAAAT AAACCCGAGT   46320

TCCAGGTTCA AGGAGCCCCA GGCTTAGCTC AGCTCAAGTG AGGAACTACG AGATTTATTT   46380

AAAAGCATTC TAGTTGGGGG AAGGGAGTGG GCGGTTCCAA AAGTCACTCC GCAGAGCCGG   46440

GACAGCCGGG GGAGGGGGCA GGTCCTGGGG CGAGGGACCC CTATCTGCAG TTCAGTGGTA   46500

GGCACTCCCT CACGGGGTCT GGACGCAGAA AGTAGGGAGA GGGGCTTGCG GATTGGGTTG   46560

AGCAGGTCCT CCAAAGTTAG CAAACTCCCA AGCGCAAAGA AAAAGCTAGT TTCGATTTTT   46620

CCACCCCCGC CGCGCCCCTA GTTCGCCCGC AGCCCTCGGA CTCACGCAGC AAGCGCCCCT   46680
```

-206-

```
GCAGGACCGC GGTCTGCAAA AGCATCAGGA GGAGAAGCGC CGGCCTGGCT CGCGGGCCCA   46740

TTTCCCCAGC TCTGGCCGCA CGTCCCCGTT AAATCTCCGC TTCTTTTGGG GGGCGGGGAA   46800

ACGGGGATGG CTCCAGAAGT CACCCTACAG CTATTGCCTA GGCTCAGGAG ATGCCCAGTA   46860

AAACTTCCTG GTGAAAAGCA ACAGGTCTTT CAGAACTTTA GTTCTCTCTC TCCTACAGCA   46920

GAAGGTACCT GCTTGTGAAA CACTAGGTGA TCCAGTGTCC CCCTTGGTTT TTAAATCCTG   46980

AAGGGGTGTT GTTGATTGGG GAAAGTAGCT TCGCAATGTT CTGATCTGAA CTTTAGATAT   47040

TTAAATATTT ATGATTTTCA AAATTCAATC ATACATTTAA AAATTTTATC TCAACCTTAG   47100

ACCAACTTAT GTCTTATTTG ACTTAGAAAT ATAAAGCTTT TTCATTTTGT TTTTTGATTC   47160

AAATTAATTA AGTCATAACA TTAACCAATT AGATCCTACT GAAACACGTT CCACAGCCTT   47220

CATAATTGAA TTATCTGACA AGTGTTTCAC AAACTTTACA GTATTGGGAT TATCTGGAGA   47280

ATGATTAAAC ATATTGAGGC CTGCTCCTAA CCCCAGACAC ACTGATTTAA TGGGTAATTG   47340

TTAGGTAGTT AGACATTAGC AGTTGGGAGG GGATGACAGA AGAGAGCGGA AAGGCTGTCA   47400

CTAAGACAGC CACTGGCCCA CCTAAATTCA GGCCCAAGAC TACCCTAATG CCACCCTAAG   47460

GGATGGAGTT TATGATAAAG TCTGTGGCCA AAATATCCTG GAGAAAGAGA AAGGAGGGTA   47520

CAGGTGGAAA TTCCCTAAGG TGGCACATGC CCAACAACAC AAAAGCCTGT CTTCAAGTTC   47580

ACCCCAAGTT CATCATGCCA TCATTATAAT AGAATTTACA TACAGTTTTG CCCCCCCATC   47640

CCTGGGAGGC TTTTCTTAAC AAATTATAGG TAAGACCATG CACAGTTTAA TTTTAGATTG   47700

TATAGCTATA AACTTCAATC AAATAACATC ATCCTGTCAC TCAGATACAG CCCAAACCTC   47760

AACTCCTCCC CACAAACCCC ATAAAAGCAC CTTGAGCTCT GTAAAGAAGT GCTGAGTTCA   47820

CTTCGCAGAA ATAAGCCCGC TGTCCCTCAG AGTGTATTAT TGTGCTTCAA TAAACTTTGC   47880

TTTAAGCTTG CATTTTGGTG TTAGTTTGTA GTTCTTTGCT CACTATCACA AGAACTGAGA   47940

TTGCTGCTTC AGAGCTCCGG CTATAATAAT CTCCTCGGTT AAAGGATCCA TCCCAATGCA   48000

TAATTCCCAG TAACAGTATG GGATGCCACC TGGGCAATGG GATTTTAAAA GCTTTCCTTC   48060

TCCCTCAACG AAGTTTGGGA ATTATTGCCT TAGACATTTC AAACAATATT AATAAATTTA   48120

ATACACCTGA TTTGCTCCAA ACCTTTACAT ATCTAGCAAA TTCAACAGGC ATTATTTTTG   48180

TAAGCATGTA TGCAAATTTT GGCAATTCAA GAAAATCAAA CAGGATATCA GGGCCTCGAC   48240

TGTAGGCAAA CAGATACAAT AACATTGGAA ACATGTAGAA TATTGATGAT GGGCACATTG   48300

GGGCTGATAG TACTATTCCT TTTTTTCAAT TTTTGGTAAG ATATAATTAG CATACCATAT   48360
```

```
AATTCATCTA TGTAAAATGC AAAAATTGGC CCAGCTCAGT GGCTCACGCT TGTAATCCCA    48420

GCACTTTGGG CGGCCGAGGA AGGCAGATCA CCTGAGATCA GGGGTTCGAG ACCAGCCTGG    48480

CCAACATGGT GAAACCCCGT CTTTACTAAA AATACAAAAA TTAGCCGGGC GTGATAGCAG    48540

GCAACTGTAA TCCCAGCTAC ATTAGAGGCT GAGGCAGGAG AATCGCTTGA ACCCGGGAGG    48600

CGGAGGTTGC AGTGAGCTAA GATCGTGCCA TCGCACTCCA GCATGGGAGA CAAGAGCAAG    48660

ACTTCATCTC AAAAAAAAAA AATTAGCTGG GTGTGGTGGC ATGCACCTGT AATTCCAGCT    48720

ACTCGGGAAG CTGAGACAGG AGAATCGCTT GAACCTGGGA GGCGGAGGTT GTGGTGAGCC    48780

GAGATCATGC CATTGCACTC CAGCCTGGGC AACAAGAGCG AAACTCCGTC TCAAAAATAA    48840

AATAAATAAA ATAAAATGCA AAAATTAATG GATTTAGTA TATTTACAGA GATGTGCAAC    48900

CATTACCAAA ATTTTACATT TCTATCTCCC CAAAAAGAAA CCATGTTCCC CTAATTCAGT    48960

ACCCTTAATT CATCGCCTCC CAGATTCCTC CATTCTCCTC CTCCTCCCCT CCCAGCCCTA    49020

GACAATCTTT AATCTACTTT CTTTCTATTT GGAACATTTA GTATACATAG AGGCATATAA    49080

TATATTGCTT TGCCGTGACT GGCTTCTTTC ATTTAGCATA ATGTTTTTAT GTATGTTTTT    49140

CATGGACCAA TAATATCTAT TATAAGGACA TACCACAACA TATTTTATTT ATTCATTCAT    49200

CAGCCGATGG ACATTGGTTT GTTTCTACTT TATGGCTATT GGGAATAGTG CTGTTATAAA    49260

CATTTATGTA CAAGTTTTTT TGTAGACTTA TGTTTTGATT TCTTTTGGTT ATATATCTAG    49320

AAGTGGGTTT GCTGGGTCAT ATGGTAACAC TGTTTAACCT TTTGAGGAAT TGCCACATTC    49380

TTTTCCAAAG TAAGCATTTT ATCCTCCTAT CAGCAGTGTA TGAGAGTTCT GATTTCTCTC    49440

CATCTTTGCC TGGGTTTTTG AATCAGGGCC CCAGATAGAA CAAAAATGTG GTTATTCAGT    49500

TGTTCCACCA TCACTTGTTG AGAAGACTCT TTTTTCATTG AAGTGTTTTG GCACCCTTAT    49560

CAAAAATCAA TCTACCATAA ATGTGAGAGT TTATTCTGG AGTCTCAATT TTATCCCATT    49620

ATGCTATAAT CTATAATCCT ATCTTTTTTT TTTTTGACA GAGCCTCACT CTATTGCCCA    49680

GGTTGGAGTG CAGTGGCCCA ATCCCGGCCA CTGGCTCCTC CTCCCAGGTT CAAGCAATTC    49740

TCCTGCCTCA GCCTCCCAAG CAGCTGGGAT TACAGGTACC TGCCACCATG CCTGGTTAAT    49800

TTTTGTATTT TTAGTAGAGA CGGGGTTTCA CCATGTTGGT CAGGCTGGTC TGGAACTCCT    49860

GACCTCAGGT GATCTGCCCA CCTCAGCCTC CCAAAGTGCT GGGATTACAG GCATGAGCCA    49920

CCACACCCAG ACTATAATCC TATCTTTATG TCAGGACTAC ACTGTCTTGA TTACTATAGC    49980

TTTTTAGTAA ATTGAATTCA AGAAGTTTCT CAACTTCAAA TTTGATCTTT TTTTGGAAGA    50040
```

```
CTATATTAGC TATTCTCAGT CTGCTGAATT TCCCTAGGAA TTTTAGGATC TATTATCAAT    50100

GTCTATTCTA TTTTTGTATA TGTTTTAATA TTTTCATAAG AAACTTTTTT CATTTAAACT    50160

TTTTTTTTTA AGAAAAATAG TGAAAATCAG AATACTGGGG GTCAGGCGCA TTTAACAGGC    50220

AGAAGAAGAA TAAAAACTTG TCATATAAAC AAAAAAGAAA TGACCAATCA CATTGTGGAA    50280

GCCATGGAGT GGTTATAGGT GCCAAAGGCT GCAGAGAAAT GGTGTCAGAT ATACCTGAAA    50340

ATTGTCCATT GTATTTGGCC ATTAAGAGAC TTAGAAGACT TAAGCCATAG ATTGCTCAGT    50400

GAGACCCCGA GGGCAAATGG TCTGAAGGTG AATAGATCAT TTCACCTTTA AGAGAGCAGG    50460

TAGGAAGCTA TAAATCCAAG ATTAAAAAGT TGACTGAACT GTTAAAGAAG AAACTCTAAT    50520

CTTGAGCCAC CCTATCCTTG CTCCACCTTC TGCTGCAAGC AAACAGAAAT GCTGAAATTC    50580

AACACTCACA AAGGCTGGTA AGCTGGAAAT GACAAAAATT ACTCCTGGGA AAGTCAGATT    50640

TAGAATTAGG CCATATTTGT TGGGGTTCAG ATTTTCATGT ACACTTGGGA AAGGGTTTAG    50700

CTTATAGGCA CATGCATGAA GGGAACTGGT ATAGGGCTGT GTTCATAAGG TCAAGAGTTG    50760

AAGGCCAGGC ATGGAGGCTC TTGCCTGTAA TCCCAGCACT TTGGGAGGCC GAGGCAGGAG    50820

GATGGCTTGA GCCCAGGAAT TCAAGACCAG CCTGGGAAAC ATAGGGAGAT GCTGTCTTCA    50880

CAAAACAATT AAAAAATAAA ATTAGTCAGG TGTGGTGGCA CACACTTGTG GTCCCAGCCA    50940

CTCAGGAGGT TGGGAAGATC ACTTAAGCCT GGGACATTGA GGCTGTAGTC AGCCATGATA    51000

GTGCTACTGC ACACCAGTCT AGGTGACAGA ATGAGACCCT GTCTCCAAAA AAAGAGCTGT    51060

ATCCACATCC CAGGAAAGTG GTTGAAGATC TACTTTCTC TGTAAACCTA ATAAAGAATA     51120

GAGTGACAAA TGTGTGTTGT GGAAAGAAAT GGGGTGAGAG CTACGTAGAT GCAAAACAAT    51180

ACATCCCCAC ATACCACTTG TTAATCATCC TTTTCCACCC ACTTATGGGA TGAATTGCAT    51240

CTCCCCAAAA GATACTCTGT CCTAACCCTC AGTACCTGTG AACCTGACCT TATCTGGAAT    51300

ACGGTGAGTT CACTGGTTAA GAAGAGATTA TAGTGGAATA GGGTGAGTCC TCCAACCAAT    51360

GACTGGGGTC CTCACAGACA CAGAGGGATG ATGGCCAGGT AGAGATGGAG GCAGAGATTG    51420

GAGTTATGCT GCCACAAACC AAACACAGGA AGCTGCTAGA AGTGGAAACA GGCAAGAAAG    51480

AATCCTTCCC CAGAGGCTAC AGAGGGATCT TGGCCCTGAT AATACCTTGA TCTCAACTGG    51540

CCTACGTAAC TGTGAGAGAA TAAATTTCTT TTGTTCTAAG CCACCCAGTT GATAGTACTT    51600

TGTTACGGCA GCCCTAAGGA ACTTGATATA CATTTCTTTT ACTGTCATAG AAGTTTTGAA    51660

TCTTTTAAGT AGGTCTGTAC CCTTCCTCCC AGTGTCAACG CATGGAATTC CTCTCCTTGT    51720
```

```
GCCTTGAAAA GTGAAAGGTG TTTGAACTGG TAATGAAAGA AATCTCAGCA TGAGGCCAGA   51780

TGCTGTACCT CACACCTGTA ATCTCAGCAC TTCGGGAGGA TGAGGCGGGC AGATCACTTG   51840

AGGTCAGGAG TTCTAGACTA CTCTGGCCAA CATGGTGAAA CCCCATCTCT ACTAAAAACA   51900

AAAAATGTTA TCCTAGCCGG GCATGGTGCC TGTAGTCCCA GCTACTCAGG AGGCTGAGGC   51960

AGGAGAATTG CTTGAACCCG GGAGGTGGAG GTTGCAGTGA ACTGAGATCA CGCCACTGCA   52020

CTCTAGCCTT GGTGAGAGAG CAAGACTTGG TCTTAAAAAA GAGAAAAGAA AAATGAAATT   52080

TCAGCATTAT AGAATAAAAA TGTTTCCCCT TCCCCCCAAA CTTTAAAAAA GCAGAAGTCT   52140

GCATCATAAA ATGGTCTTTG CCAATGTTAT TTTTATTATA ACAAAGGAAT CTTGCAAGGC   52200

TACCAGATCT CAGCAATTGT CACTATGTTC TGTAAAAATC ACTTCCTAAA ATGTCTGAAT   52260

TGACTGCTTG TCTCATTTAT TTGTTTCTCG TGTCATACTG CAATGGATAT CTGTCTTGTT   52320

AGTATAAATA TTTGTGCATT TTGTTGTTGT TAAAACAGCT TTTTTGGCCT GTCTTCTTCC   52380

ACCTATGAGG TAATATAAAA CTCATGTTTA ACACTTATTT TTGTAGGAGG ACAAGCTACA   52440

GACAAAACCC CTCAGACACT GAGTTAAAGA AGGAAGGGCT TTATTCAGCT GGGAGCTTTG   52500

GCAAGACTCA CATCTCCAAA AACCGAGCTC CCTGAGTGAG CAATTCCTGT CCCTTTTAAG   52560

GGCTTGCAAC TCTAAGGGGG TCTGTGTGAG AGGGTCATGA TCGACTGAGC AAGTGGGGGT   52620

ATGTGACTGG CAGCTGCATG CACCAGTAAT CAGAACAGAA CAGGGATTTT CACAGTGTTT   52680

TTCCATACAA TGTCTGGAAT CTATAGATAA CATAACCGGT TAGGTCGGGG GTCAATCTTT   52740

AACCAGACCC AGGGTGCAAC ACCAGGCTGT CTGCCTGTGG ATTTCATTTC TGCCTTTTAG   52800.

CTTTTACTTT TTCTTTCTTT GGAGGCAAAA ATTGGGCATA AGACAATATG AGGGGTGGTC   52860

GCCTCACTTA TTCACCCCCT TTGAGAATCT CACTCATTAG TGGGAGTTCT CACTTTTATT   52920

CTCACTACCT ATGTCTTCTT GAAAGACAGA TTGATAATGA TTCATATAGT ACACTTGTGC   52980

TGAAGCATTT TGGTGAGCTA AGGTAGTGAT GAAGCTTTTT ATCATTTGGA GAAGTACAGG   53040

TAGCAAACAA GGAAGCAGTA AGCAGGTTTC TATTAATATT ATAACTCCTA TTATAAGAGT   53100

TTTAAATCTT CTTAGCACTC GGAACCATTT TTCAAACATG GCCCCAGAAA CAAATCCATA   53160

CCACACCTAC ATGGGCACAT GTGCCACTTT TGTCATATTT CTAACTATGT CTTCAACTAC   53220

TTGCCCTTAA TCATCTATGT GTAGACAGCA ATTAGTAAGG TTAAATTTCC TACAGACCCC   53280

TCCTTCAGTT GCTAGCAAGT AGTCGAGAGC CAATCCATTT TGATAGATAG CATTTTGCAT   53340

CTGAGTTTCT TGCCAGGCCA CAGTAGTCAG GGCTCTGCTG GTCTTATTAG TAATTATTTC   53400
```

```
TAAGACAGCT TGTAACCGTA TGATTCAGTT GAGCATGTAA ATGGGGGTCC CATATCCCCA   53460

CAAGCCGTCT TGTGCCCAAG TAGCAGGCCC ATAATATTGT ATGATTCTCT CAGGGGGCCA   53520

TTCATTATTT TTCCAATTTT CTATAGCTAT GCTTTTTTTT TTTTTTTTTT TTTTTTTTTT   53580

TTGCGGGAAG CATATACAGG GAAGCCCAGG AGTTGCCTG TCTTTATGGG CAGTAGGAAG    53640

AAAGATGGTT TAATAGTGTC AATAACACAA CTACCTGCCC ACTGGTCAGG TAATTTGGCA   53700

TAAGCTGTAT GCCCACATAT CCAGTATAAT CCAGTGGGGG CTGTCCAGTC CCGGTGGGAC   53760

TCTGGGTGGG TCCACACAGT TTGCAACTTT GGGAATTTAC TAAATAGATT TTTCTTAGTG   53820

TGGTTTGAAC TCCACTAGGT GGCTGTTTTT ATAGTACTAT TATACAGTTT TTGCCCAAGG   53880

CAGCTGAGTC TTCCCACAGG AAGGGTGAAG TCCTTCCCCA CTTTTGCTAT ACAGTATTGT   53940

CTAATGATTG AGGCTTTTAG GACCCAGAAG TTATCAGGGT GAGTCTTTTG AGCTGGGAAT   54000

TTATCAGGAA CTGGGTCTGT AGGTACTAAT TCTCGTGCTT CCCATGGCCA TTGATCTCCC   54060

ATTACAGTTC CTCCACATAC ATACATAACA TGAAGTGACA TTGAGAGACT GGGCTACATG   54120

CTCAGCTAAT TGCAAAAACA AATTTCTTGT TTTTCCTGGA ATTTCTAGTA CTGGCACATT   54180

CAGTTCATCA TAAGAAGGTT TGAAATACTG GCTCAGGGGA GCATTTATAA ACTTCTCCTC   54240

AAACCACCAT ATTTACTCAA GGATCCAGTC CAGCCCCAAC TATTTCTAAG GTTACACGAT   54300

CCCCTTTTTT CCAGTGAGAA TCAAGGGGGT TGGTTATTAC TAGTTCTAAG GGGTTACACT   54360

GACCACTGGT ACAGGAAGGG CCACTTTTCC CTTTCTGAAG GTGGACAGGA TTCTTTTTAT   54420

TTTTTAACCA AGTTGCCTAA ATGACACAAG ACCAGTATCT ACATTTATTT CCACGCAGTC   54480

TTAATTCATG ACAAGCGTAC TTATTTTCTG CCATATAGCC TCTTTCCTAA TGAACAGAAC   54540

CACATCCTAT TTCTAACTTA TTACTATTAA TGACAGCACA GGCATCAAAT TTCAAGGTGA   54600

CTTGTTTGGG CATTCCTTTT TCTTCTGTTT TGGCTAACAC TTTACTCGTA TCGTTTATGA   54660

ACCCCCACCA GTCCTCAGTC CTCAATCTTA TTTCAAAAAC TGTGGTCGTG GGAGGCTCAG   54720

ATGGGTCATA ACACACATCA GGTTGGTCAT TTCTTGGGCT ACCTGCCTTG TATAGAATAG   54780

CATTATACAA ACAAGTTATT TTTAGAGTCT TTGTACACTT ATAATAACCA TAAAATAATA   54840

AGACTGTAGC AACTTTTTGT CCTACCTCAG TGACTTGATG TATACACTGG GAACAGCCCT   54900

CAGTCTGAGG AAGGTTAGTT GAAGTCTTTA CTGTGCAAGT CCAAATTTTA AGGAAAATGA   54960

GTCCCTTGAT GAGTTTTCTC ATGTTTCGGC CATGCATGGA CCAGTCAGCT TCCGGGTGTG   55020

ACTGGAGCAG GGCTTGTTGT CTTCTTCAGT CACTTTGCAG GCGTTGGCGA AGCTGCCACG   55080
```

-211-

```
TACAGCTCAC AGTCTACTGA TGTTCAAGGA TGGTCTTGGA AGTTGGGCCC ACTAGAATTA    55140

ACTGAGTCCA ATACCTCTAC TCAGTCACTT TCAACTGGGC TTTCTGATAC CAGGAGCAAG    55200

GTGGCAGGTT TTAGGGTGTT GCAAATTTCA ATGGTTATGC AGGGATTTTC ACATAGCAAA    55260

CTTTGGTACT TGGTTAATCT AGCATTTGTT AGCCAATGAT GTATTTATTA AAGTCACCAC    55320

AGCATGGAGG GCCTTTAAGT TTAGGTTTTG TCCAAGAGTT AGCTTATCTG CCTCTTGTGC    55380

TAGCAGGGCT GTTGCTGCCA AGGCTCTTAA GCATGGAGGC CAACCCTTAG AAACTCCATC    55440

TAGTTGTTTG GAGGCCCAGC CTCGGCCAGG GCCCCACAGT CTGGGTCAAA ACTCCAACCG    55500

CCATTTTTTC TCTTTCTGAC ACATAGAGTG TAAAGGGTTT TGTCAGGTCA GGTAGCCCCA    55560

GGGCTGGGGC CGACATGAGT TTTTCTTTTA ACTCATGAAA AACTCATTGC TGTTGGTTGT    55620

AATAGATGTA GTTTATCCAA TCTACATTTT TATTAACTGT CACCCACCAA AATATTGACT    55680

CAAATCCTGC AGCTATTTGA TTTTGGGATT TAAATTGATC TGCTATTCCC TGTGGGACTC    55740

CAATTGCATC TAAATAGATG TGAGAGTTGA AAGACACATA AGGGTCTTCT CTTGCTTTAC    55800

GATGTCTTAT TTTTCCTCCC TCTGGTTGAT GAAATGCTAG GGTGAAAGGG ATAGCCAACT    55860

GGACTAAAGT ACAAGTGCCG CTCCAGTTAT TTGGCAGAGT GCCCAGTAAA GGTCCACCAC    55920

AATACCACCA CACATCCGCT TGGGGATGAA CAAAGGCTGA CTGATTGAGA AGCTCCTGAA    55980

AATTCTTAAG CTCACTGCAT CCCTTCAGGT CTCCAAGGAA TGCTAAGTTT CCTCCCTGTC    56040

ATGAGAGACA AGAAGTGAAC TTAGTTTTGG GAGATGGAAG CTGGATGGCC CTCAGGGGTT    56100

GACCTGCAGG GTGCTGGACT TTGGGATATA GCAGAGAGAG CTTGGCACGA CTTATTACTC    56160

CAGGCTGTAG CATCCTGGAA AACAGTTACC ATGCAGCCCA TGCCTGGTCA ACAGGAGGAC    56220

CACCTTAGTG GAAAGGGGAT AATCTGGCCC TCTGGCCTGC CATGTGCACA AGCATAACAA    56280

TTGGTTTTGT TTAATGTGTG GACAGAATAT TTGATCCATT CCAACTGGGC ATTTGCATCT    56340

TGGTATCCTG CTTAATTATC AAAGTTTGTT TTAAGTCTTT AACTTCTATG ACCCTCTAGT    56400

AAAATGAATG TATGATTTTA GGAAATTACA AAAACCGGTT GGGGCAGTCC ATCCTCGCTC    56460

TTTAGTGGTC CACACAACAT TCGACCAACT ATGGCATAAA AGCTCTACAT CAGGGGGCAA    56520

GACTCCTCGT TGACACTGGG GTCTTTATTG AAATCTCTCT GGATTAAATG GTCTCAGTTT    56580

ACTAAGGCTC AGTCTGAGGA GAGTCAGGAG GGACAGAGGT ACTTTTCTGA AGTACAGAGA    56640

TGTCTTCGAC TTGGCAAGTC CCCACAGGGT ATAACAAGGC AAGCATTAAA TTCAATAGTT    56700

TGAGGCAAAA TTGACTTGGT TATGTTAATA ACTAGATGGT CAGAAATAGA GTGAGGGAAG    56760
```

-212-

```
AAGAAAGAGT AATAGAATAG ATGAAGGAGT TAAATTTTTC TTAGCTTTAG TTTGGTAGGG    56820

TTTTCCCCTG GGACTATGGC CCATGACTCT GGAGGGGGTG GCACTTTCTT GACTCGGGTG    56880

TGATGAGTCC ATCCCTTTTT CACCGTATGA ACAACAGTCT CGGTGGTTAG CAGCACAAGG    56940

TAGGGTCCTT CCTAGGCTGG CTCAAGTTTT CCTTCTTTCC ACCCTTTGAT GAGAACATGA    57000

TCTTCAGGCT GGTGCTGGTT TACAGAAAAT TCTAGGGGTG GTACATGTGC TAAAAGACTT    57060

TTAGTTTTGA GGGAAAGGAA AGTGGAAGAT AAACCAAGTA TATAACTTTT AAGAAGTTGA    57120

CCTTTTGTTT TAAATGTGGG GACATCAGCA GTGGACTTTA TAGTCCTTGG TGCCTTCTTA    57180

CTGAGAAATT TCCTTTAGCA CCTATTTTTA TTAGTTTTTA GACCAAAGAA AGTCAAATGC    57240

CATTTTATAT TTGACAACGC TTCTTGTATG TTTATACCAG ATAAGCTAGA TTTCACCTTT    57300

ATATTGGTGT GTTATTAATG TTAAACTTAG TTTTAATAAA ACTCTGTAGA CATATTTATT    57360

TGATTTTTAA TGTCTGACCA TAAGGTAAGA TTTTTATAGA CTTTTCTTTA ACCTTTTATA    57420

ATTTTTGTTA AAGAACAGGT TAGTGCTTTA AGAAAAACCC GTTGTGTTTT TATTTTAATG    57480

TTCAGTTCAC AGAAAAACTG TATGATACCC CTTAACTTTA GCCAATATGT TTAGACACAG    57540

AATTTTCTTT ACAATTAAGG TTTCAAAACT TGCTTAAACC TTCAAAACAA TTTTTGTAAC    57600

CTTTTAATGT AGGTAAAAAT CCACATTCTT ATGCATCCTC ATAATCCTTT TACCAAAGGT    57660

ATATTTTACT TTCCTTACAT ACCTTGCACA TAAACTGTTT ATTCAATAGT TTTACATTTA    57720

GAAGGAGGCC TAATTACTTT TAAATTATAC AACATTTCTT GCATAAATTT ATTTTTCTAA    57780

CACACATTTT TTTCATGACT TTCACAGACA ATTCTTCGAC ATGCCTCAAC TTTCTGACTT    57840

ATTGCAAACA TCCCTTTCTT TAAACAACTA GTTAATTTAT CTCAGGACAA GGATTTTCCA    57900

TACAACATTC TTTTTTATAT AAATTCTGCC TCCTCTTTAT TTCCTTTTTT TTTTTCCGAG    57960

GATGATAACC ATTCTTTTCC AAAGCGAACT TCTTTTATGT CTGTGGACTA GACTGTCTAA    58020

GGCCACAAGA TTAGAAGTTA CTATAATACA TGTTACACTG TTAACTTTTA GCAAACTTTA    58080

CTTTTGTTGA AAACCTTGTA AGTTTGGGAT TTCAATTATC CTTTGCTATT AATAAGACCT    58140

TATTTAGTCC AAATTAACTT AGAATTGGTA TAGATGGCTT TTTTTTTTTT TTTAATTACC    58200

TGGGAGGAAC CATCTATCCT CCTGTCCTGA AGGGAGTTCC TCCTAGGTCT GGTCAGAGCT    58260

TTGTATGGTA ATTAAGATTT AGATCCCCTG TTAGGAAACC TGCCGGGTTA AGAGAATTTT    58320

CAGTGGTTAA TGTTAAATCA TCTTCTTTTT TCTTTTTTCC TTAGGATACT TCTGAACCGG    58380

TGAGGTGTGC TCACAATGAG GTTTCCTGTA AAAGTTATTT TTTTACTTTC TTCTGTTAGC    58440
```

-213-

AAAGCAGTTG CCGCTACAGA TTGAATGCAT TTGGGCCATC CGCGGGTTAC TGGGTTAAGG   58500

ATTTTTGATA GGAAGGCCTT AATGCTTTTG GAATATGCCC TGACAACAAA GTGCCAGTTC   58560

CTTCCCGGTG TTCAGCCACT GCGTTGATCC TCCACGAGGG CCTGCCACGT GCTGCTCTGG   58620

TGAGGCGTTC CACCGGGGCA ATTGCCTACC TGGGAGCGCT CTCCAGATCT GTGTCGCTCA   58680

AACTGGCTGG AGTTCCCCGT AGGGATGCTC CACAGGGCAG GCCTAAGTCG CCTAAGGGGC   58740

TGCCTTGACC GTCCGTTAAT CACCTCTGTC TCCAAAAACC AGCTCCCTGA GTGAGCAATT   58800

CCTGTCCCTT TTAAGGGCTT ACAACTCTAA GGGGGTCTGC ATGAGAGGGT CGTGATTGAT   58860

TGAGCAAGCA GGGGGTACGT GACTGGGGCT GCATGCATCA GTAATCAGAA CAGAACAGAA   58920

CAGCACAGGG ATTTTCACAA TGCTTTTCCA TACAATGTCT GGAATCTATA GATAACATAA   58980

CCTGTTAGGT CAAAGGTCGA TCTTTAACCA GACCCAGGGT GCGGTGCCGG GCTGTTTGCC   59040

TGTGGATTTC ATTTCTCCCT TTTAATTTTT ACTTTTTCTT TCTTTGGAGG CAGAAATTGG   59100

GCATAAGACA ATATGAGGGG TGGTCTCCTC CCTTAATTTA AACAAAATTT TCAAAGTCCT   59160

ACCCCAAGTA AATTGGCAAA TATTAATAAA GTTATGGCAT AGAAAATAAA AATGATTGTA   59220

AAAGGCGTAA AGATATTTCT GTGGGGAAAA CATTTGTTCA TTAGTTATCA GTTAAAATTC   59280

TGTGAAAAAT AACCACTAGA GACCCTAAAG TACCCAGGGG CTAATAATAA GAAGGGAGGA   59340

ACACCCTCTC AGTCCCCACC GTTACCTCCC CAGAAGGGAA GAGGAAGAGG GTGACTCCAG   59400

GAGAGCTGTG GTCTCCCCTC CCCATATGTC CACATATACC TGACCTCCCC TCCCCAAAAT   59460

ATATACCCAA TATCTCTCCC ATATATACAT ATTTATCTGA CCTCTCCACA TATGTATACC   59520

TAAACTTTCT CTATATATCC ACATATACCT AACCCTCTCA CACACATATA GCTGACCTCC   59580

AGTGGAGGAA AATGGGGAAG AGAGAAGAAG TTATCAAAGG ATAAATCTAG GTCATACTCA   59640

GAAATGTGAA AAACAAAAAC CACACACAGA AAAAAAAAC ACACACAAAA AAGAAATTGA   59700

TAAATTTGTT TGTGTCAAAA TTAAGAATTC CGGTTCAATG AAGGATCCCA TGGATAAAGT   59760

TAAGACACTG CTGTAAGGAT GGTAGAGAAT TAAATGTCTG AATCAGACGA AAGGATGAGT   59820

AATTAGAATG CACAAGGCCA AGAAGAACAA AACAGAAACT CCACATAAAA AATGTATGAG   59880

GCCGGGCGCG GTGGCTCATG CCAGTAATCC CAGCGCTTTG GGAGGCCAGG GCGGGCCGAT   59940

CAGGAGTTTG AGACCAGGCT GGCCAACATT GTGAAACCCC ATCTCTACAA AAAATACAAA   60000

AAATTAGCCG GGCGTGGTGG TGGGTGCCTA TAATCCCAGC TACTTGGGAG GCTGAGGCAG   60060

GAGAATCACT TAAACTCAGG AGGCAGAGGT TGCAGTGAGC TGAGATCACA CCATTGCACT   60120

-214-

```
CCAGCCTGGG TGACAGTGTG AGACTCTGTC TCAAAAAAAA AAAAAAATTA TATATATATA   60180

TATATATATA TATATATATA TATATATATA TGAAATAAAT GAACAAGAAA TTTAGATACA   60240

GGAAAATCCA AAGCACTTGG TAATGAAAGA AAGGTAAAGT GATGTGTCCT TTTGCATTTA   60300

AAAGAGAGCA TTAACAAATT AGAGAGCTGA ATAATGCTCA GTATTGGTGT GGATATGGAG   60360

ACTCAGGAAT CCTCATACAC TGCTGATGGG AGTGCCCACT CCCTGGGAAT ATTTTCCAAA   60420

TATCATCTCA AACATATCCC ATAAAGGTGA CAGGAAAGTG TGGGCTGACT GATATCCTTC   60480

ACTGAGAGAG GTGGAGGTAA AATGAAGTCA CTGCACAATA TAGAGTTGGA AGCAATGGAT   60540

TAGATGTCCA CATAGTTACG TGGAAGAATC CGTAAGATAC ACACACACAC ACACACAC     60600

ACCTTTGTGT ATATTGTTCC TGGCAGGTAG GCATGGAGGT TTAGAGGCTT TCTACATCAC   60660

ACCTACTGCA CACAGTAAAT GGCCAGGCTG AGCACTGACT TCCATGAAGG GAGATTGAAG   60720

GTAAGAGATT GAAGATTGTT CCCTGGTCTG GGACCCTGCA ACTGAATATG CAGAAAAAG    60780

TACACCCCGC CACCCCGCTT CCCATCTTTC CTACCTGATT AGAATAGCTT TTTCAGAAAA   60840

CGTTGGCCAG GGGTTGTGGC TCACACCTGT AATCCCAGCA CTTTGGGAGG CTGAGGCGGG   60900

CAGATCATCT GAGGTCAGAA GTTCCAGACC AGCCTGGCCA ACATGGCGAA ACCCCATCTC   60960

TACTAAAAAT ATAAAAAATT AGCAGGGCAT GGTGGCACAC ACCTGTCATC CCAGCTACTC   61020

GGGAGCCTGA GGCAGGAGAC TCACTTGAAG CACAGTGATG GAGGTTGAAG TTAGCTGAGA   61080

TCTTGCCACT GCACTCCAGC CTGGACAACA GAGTGACACT TTGTCTCAAC AACAACAACA   61140

AAACCCACCA AAACTTTAAA TCTACCTATG GCCAAATGCC TGCTAAAATG AGCACCCAAG   61200

AAGCAGTGTT CAGGAAAGTC AGATGAATAC CCTAAAATTA GATGCAATGT TGGCTGGTCA   61260

CAGTGGCTCA GGCCCTGTAA TCCCAATCCT TCTTGGGAGG CCGAGGCGAC AGATCGCTTA   61320

AGCTCAGGAG ATCGAGACCA GTCTGGACAA CATGGTGAGA CCGTGTCTCT ACAAAAACGT   61380

ACAAAAATGA GCTGGGAGTG GTGGCGCACA CCTGTAGTCC CAGCTACTCA GGAAGCTGAG   61440

GTGGGAGGAT CTCTTGAACC CAGAAGGCGG AGACTGCAGT GAGCAGAGAT CATGCCACTA   61500

CACCCCAGCC TGGATGATAG AGCCAGACCC CCATCTCCAG AAAAAAAAAT AAAGAGAGAG   61560

AGAGATGCAA TATTTAGGGT TCAACAAGAC TGAACTTCTG ACTCCTTTCC CTACCTCTCC   61620

AGCATGTTAG ATTCTGGGTC CTTCATCCTA ACCCCCTGTT CATGCCATAG CCACCCTGTG   61680

GTACCAACTT TGGAAGCCTG GATCTTCATC CCCTCATGAT AATGAGTGTC CCATTCAGGT   61740

CTCCATGCTC AGCTTGGCAA GAGTATCTGT CTTCTCCTCA TGGGACGGTC ACATTCACCC   61800
```

-215-

```
AGCACTGACA GGTTCCATTC CCACTAGGGT GGCACCCTAT ATGGTCTGAG TCCAGGCCTT   61860

CCTGGTCCCT CAGTAATCTC AGCATGGTAG CACAATCGAA AAGGGCTAGG CACGGCAGCA   61920

CCATTTCCCA CCAAGAGGTC TGATGGCTCA TCACATAGAC TGAAGGAGAT TCTGAAGAGC   61980

AGAGGTGGAA TGAAGAATGA ATCCTGGGCT CTGCTCTTCC TAGGCCTGTC TTCCTCTCTC   62040

CCGAGATGTT AGCTAACTCA TGAGAGCCAG AAACCAACTG CAGGCTGGCC TCAGGCACTT   62100

AGGTAGTGCT TCAGCCTCAG CAGTCCACAT TCTAGGAACC CTCATAATAT GGGTTGAAGT   62160

ATGCATTCCC ACAAAAATAA AGTTGTTGAA GTCCTAACCA CCAGTACTGA AATGGGAAAA   62220

GTTCCCTTGT CCCGCTCGCA TGGCATGTGA TAGGAGTGTG GCTAATTTCT TCAGTGCCTG   62280

GCTGCTCAAA CCTCTAGGGG AACAGTAAGA CGGGCAGGTT GTGGGTCTCC AACCCCATGA   62340

CCCCACCACA GTGTCTAGGG TTGAATGTTT ACAGCTCCTG AAGCCACAGT GGGTGTGTGT   62400

TACAGGGTGC TCTTTTAGTT TTGCCATTTA TAGGCAGCTG GTGTTAACCA ACTCAATTAG   62460

ACCGTCTACC TTGTCCCAAG GACAGAAGAA GGCTTTCTGT ATCCCAGGTT CTTGCCTTGG   62520

TGTACCGGAA TAAATCAGAC CACACCTGGG CTTAGAGAAA GAGTGCAAGG TTTTATTAAG   62580

TGGAGGTAGC TCTCAGCAGT TGGGCAAAGC CAAAAGTGGA TGGAGTGGGA AAGTTTTCCC   62640

TTGGAGTCAG CCACTCAGTG GCCCAGGCTC TCCTGCAACC ACCCCAGTCA AATTCCGCCT   62700

CATTTTGCCA GGCAAACGTT TGTTGTGTGC TCTTCTGCCA GTGTGCTCCC CTGGACGTCC   62760

AGCTATTCGT GTCTTGTGGC AGGCCAGGGG AGGTCTTGGG AAATGCAACA TTTGGGCAGG   62820

AAAACAAAAA TGCCTGTCCT CACCGTGGTC CCTGGGCACA GGCCTGGGGG TGGAGCCCTA   62880

GCCGGGGACC ACGCCCTTCC CTTCCCCACT TCCATATCAT TTAAAGGGAC CATGCCCTTC   62940

CCTTCCCAGC ACTTTCCCCC TCCTGTATCA GGACCTGTGA ATGTGGCCTT ATTTGGAAAT   63000

AGGGTCTTTG CACTTCATCA GTTAAGATAA GAGTGGGCTC TAACCCAACA TAAAGGGTGT   63060

CCTTATAAAA AGGAGAAATG TCATACACAG AGACTGACAC CTATAGAGAG AAAATGTGGT   63120

GAGTAGACAC AGGGAGAATC ACCATTCAAG TCAAGCAATG AGTCTGGGGA TACCAGAAGC   63180

TGGGAGAGAA ACCTGGAACA GATTATCCCT CATTGCCTTC AGAAGGAATC AAACCTGATG   63240

ATACTTTGAT TTCAGACTTC CAGCTTCCAG GACTGTGTGA CGATAAATAT CTGTTGTTAA   63300

GCCAACAAGT TTGAGGTACT TTGTTACTGC AGCCCCAGAA AACTAATACA GTAGGTACTA   63360

TGGACTGAAT TGTGACTCCC CGTCGCAAAA TTCATATGTT GAAACCCTAA CCCCCAGTGT   63420

GATGGTACTT GGAGCTGGGG CGTTTGGGAA GTCATTATAT TTAGACAAAC TCATCAGGAT   63480
```

-216-

GTGTCTCTCA TGATGAAATT CATGCCCTTA TTAAAAGAGA CAACAGGCCA GGTGCAGTGG 63540

CTCATGCCTG TAATCCCAGC ACTTTGGGAG GCTGAGGTGG ATGGATCACC TGAGGTTGGG 63600

AGTTTGAGAC CAGCCTGGCC AACATGGTAA AACCCCATGT CTACTAAAAA TACAAAAATT 63660

GGCCAGGTGT GGTGGTGCAC GCTTGTACTC CCAGCTACTT GGGAGGCTGA GGCAGGAGAA 63720

TCCCTTGAAC CCAGGAGGTG GAAGTTGCAG TGAGATCACA CCACTGTACT CTAGCCTGGG 63780

TGATAGAGAC TCCATCTCAA AAAAAAAAAA AAAAAAGAC AATAGAGCCA GGTGCTGCAG 63840

CTGATGCCTG TAATTCCAAC ACTATGAGAG GCTGAAGCAG GAGGCTCGCT TTAGCCCAGG 63900

AGTTCAAGAC CAGCTTGGAC AAAATAGTGA GACCCCCAAC TTCTAAAAAT TTAAAAAATG 63960

AACTGGGTGT GGTGGTACAC ATCTGAGGCT CCAGCTACTC TGGAGGCTGA GGTGGGAGGA 64020

TTGCTTGAGC CCAGGAGGAG GCTGCAGTGA GCCATTGCTG TCCAGCCTGG GCTACACGAG 64080

AACCTGTCTC GGGAAAAGGA GAAACAGTG AGACCTCTTT TTCTCTCCTC CTTCTCTCCA 64140

CTGCCTAAGC CCTACAAGCA CAAAAAGGAC ACCACATGAG CACATAGTGA GAATGCTGCT 64200

GCCACCAACA AGTCAGGAAG AGAGCGTTCA CCTAGAAACT GAATTGGCCA GCACCTGGAT 64260

CTTGGACTTC TGAGCTTCCA GAACTGTGAG AAAGTTATTT TTTTTTTAGC GACTAAGTCT 64320

ATAGTATTTT ATTACAGCAG CTCAAGGTAA CTAACATAGT AGAAGGGATG AATTATGGAG 64380

ATCACAAGTC CACGCCTCCA GAAAAAGACT TCCCTAAAAA TTAGTCTGAG CAAAATTCGA 64440

ATGATGAATT ATTTTTAAGA ACTTTTAAGG GATCTGACAA GTTTGCAAGA GCTAGAGAAT 64500

GCTTTACAAC GTGATAATAG AATGCTCTGT GATGACAGAA ATCTTTCCAC ACTGTTCAAA 64560

ACTAGCTACT GGCCACTTGT GACTATTGTG CACTTGAAAT GTGACTGGTG TCTGAGGAGC 64620

AGAATGTTTA ATTTTACTTA ATTTTAATTC ATTACAATAG CTACATGTAG CTAGGGGCTA 64680

CTGGATTGAA CAGCACAGCT CGAGTCTTTT AGAGGGAGAC AGGACTCACC AAGGTGGATG 64740

CTGGTGGCCA AGCAGCAATG GCAGGTAGTA CACACACAAG AGGCAGATGA TACAACACAT 64800

CCTTCCCAAA CCTGGAGATA AGCTCACCCC ACAATCCCGC CGCTGAAATA GAGTTGATGT 64860

TACCAATGTG CATTTTTATG TCCTTTTCCA TACAGAAAGA TCATTCAACA AGTACTATGG 64920

TACTTAAAAA ACAACATTCA ATTCATTATT ATGACAAAAT TAAATTAATA GCTCTTCCTT 64980

AAACTTTTAA ATTCAATTTA CAATGCTTAC TATTGGCATT TATTAATCTA CCAATTTTTT 65040

CCCATAGAAC CCATAGAACA AATAATCTAC CAAATTTTTA ACATTCATTT TTGGCAAGGC 65100

TTTTGCAATT TGACGAACTT TAAGAAGAAA ACTTATAAAT TGCAATTTTT AAATCTGACA 65160

```
TACTGGACTT TTAAAGTATC CAATTGACTA ATGAACAAAA CTGCTCCAAA TTTTTCAATT    65220

CTTAAAAATC TTAAGACAAT ACTTAATATG GCAAATCTTA ACTTCTTAAA CTTTGTAAGA    65280

ATGCTAATCA ACTTAGATTG GTATAAAGTT GAGTTAAAAA TCACAGGATA CATCATCTCA    65340

GCTATAAGTT TTCATGAGTT GAGTTTTTAC AATCACTTGA AATGCTTAGA ATAGGAAATA    65400

CGTATAAATT ATTTAACATA AAATATTGTT ACAAAACCTC TGGAGTGTCA GTTTCTCTGG    65460

CCAGACTTTA TGCTGCAGCA CCTTTGCCTG AGTTCTTGTC CTGCATCCAG GAAGAATTAG    65520

GTACAGAGGC AAGAGTCAAG AAGATTAGTT TTCCAATAGT TCAGCTCACC TAGTTAACTC    65580

CTGTTCACAA TCTTCAAAGT TATCAGAAAC CTGCAATTGA GGGTTATAAT CCATTCTTTG    65640

CAGAGTTTCA AAACAAGACA ACATTTGTCT ATGAATGTTA AAATGTCCTA GGGTAGTCAC    65700

AGTCAAAAAC ACAATTGACA AAGAAATTTA GTCACCTCTG TGATTACAA TAGCCTAACA     65760

CAATAACTCT AATTATAACT GATGACACAA ACTCAGATAT CAGAACTCTA GAAATCCCCT    65820

ATAATTTTGG AACACATATT CACAGTTTTC ACTGAAATAT GACCTGAAGA TCAAATATCA    65880

CCTTATTTCA ACAATCCTAT ATAACTAAAC GTGTCAAATG ATCCTGTTTA CCTCTCCTTT    65940

GGATACTCCA GGGGCCCTCT GTAGCATCCA AAAGTTAGGG GTTAGCAAAG ACAATTTTGA    66000

AGCTGTAAAG GCTCAAAACA CTTAATGAAC CTCTAGTCAT ATCTGTTCTC TACTCACTAA    66060

ATGCTAGTAG CACCTCTCAG TTGTGGCTAA GCTGGGAGGA TCTCTTGAGC CTAGAAGTTT    66120

GGGGACGCAG TGAGCTATGA TTATGCCACT GCACTCCAGC CTGGGCAACA ATGCAAAATC    66180

CTGTCTCAAA AACAAAAACA AAAACAAAT TGCCTATGCT GTGGTTATCT CACAATTAAT     66240

AAAAAGGAAA AAAAAGTAT GCAGTCTTTG TAGGTCCTTG GGGTTTGTTG GAACTCAGAA     66300

AACAATACCC CAAAATAAAG ACCGCAGAAG CCAAAGTTTT TCTCTGATCT TCTCCTGCCC    66360

TCCTGTCTCT GAGTCCCATT CTCCCCGGAG TCTAGCCATA GAAATGAGAA TTCCTCTTCC    66420

TCAAGTTAGG TCATAGAAAT CAAAACACCT TTTCCCCAGA GCCCAGCCAT AAAACCTAAA    66480

AATATTACTC TAACTTTCCC TCTGTTTTTC TGTGTAAAAA CTGGCCATAA AGAAATTATC    66540

TGAACTACCT TATTTGATCA TAGATCACCA GACCGCATTC CAGAGAGGAT CCAGAAGGAA    66600

GGAATGCTGC ACAGAGAGGC CAAGAAGAAT CTAGACAGAC AGGCCTTGCT GGGTTTCCCT    66660

ACTCTGTTTA TTAGCAATCC TATTTCTACA CGGCGGCCCA TACTTTGTTG AATCTAAAAA    66720

ATAAAAATGG ACAATTTCCC CTGTACATGT TAATACACAT TAATAAATTG GATATAAATT    66780

GGATAATTTA TTAATATACA CATTAATAAA TTGGATGCAG CCGGGTGCAA TGGCTCACGC    66840
```

-218-

```
CTGTAATCCC AGCACTTTGG GAGCTGAGGC GGGCAGACCA CGAGGTCAAG ACCACCCTAG    66900

CCGAAATGGT GAAACCCCGT CTCTATTAAA AATACAAAAG TTAGCTGGGC GTGGTGGCAC    66960

ATGCCTGTAG TCCCAGCTAC TGGGGAGGCT GAGGCAGGAG AATTGCTTGA ACTCGGGAGG    67020

CGGAGGTTGC AGTGAGCCGA GATTGCGCCA CTGCACTCCA GCCTGGTGAC AGAGTGAGAC    67080

TCCGTCTAAA AATAATAATA ATAATAATAA TAATAATAAT AATAATAATA ATAAATTGGA    67140

TGCATTTTAT CCTATTAATC TTCCTCTTGT CGGTGGTTTT CAGCGACTCT TCAGAGGCCA    67200

AAGAGTAAGT TTTCCCTTAG CCCCTACAGG TTCTTATGTT TAATTTGTTA CTCTCATTTA    67260

AGACATAATT AAAGTGGCTT CTCCATGAAG ATTATTTCTG CATCCATTAT TTGGTAAGAT    67320

TGGCCGTTTT CTCCTTTGAT CTCTACTTCA CACTGACCCA CATAAACAT CACTGCCTGT      67380

TTTTTTGTTG TTGTTGTTTG GAGACGGAGT CTTGCTCTGT TGCCCAGGCT GGAGTGCAGT    67440

GGTGTGATCT CCGCTCACTG CAAGCTCCGC CTCCCGGATT CACGCCATTC TCCTGCCTCA    67500

GCCTCCTGAG CAGCTGGGAC TACAGGCACC CACCACCAAG CCCGGCTAAT TTTTGTATTT    67560

TTAGTAGATA CGGGGTTTCA CTTTGTTAAC CAGGATGGTC TCGATCTCCT GACCTCGTGA    67620

TCGGCCCGCC TCAGCCTCCC AAAGTGCTGG GATTACAGGA GTGAGCCACT GCGCCCGGCC    67680

CCGTTTTTTT TTTTTGGTT TTTGCATGTC TTCTCCCTTT TACTGTAAAC TATTTCCACT      67740

ACCAGCGTAG TTATCATTTC TACTGCTTAA TAATTGTTTT GGGGAAGTGA ATGCATCAAC    67800

CCACATGAAT TTCTTGTCTA TTTGACAATT TATTCTCTTT AGGAATAGTA TTAACTCCTA    67860

AGGTCCTGGG AGCCAGTCTC TGTACTTGGC TGCTCCAGGG TCCTACTTCA GTTTCCCAGC    67920

TTCTCAGTAC TGTCACTGTC AATTGTGGGT AATAATTATT TTTGTCCACC AAAAGACTCT    67980

GTATGTGAAT GAGTTTTGAA ATCTGCTGAG TAATACAGTG TCAACCCAGT TAATGATTTG    68040

CCGGGCGGCT TGATCAGGGG CTGTCCAACT ACCGGCATTT TGATTTGGAG CGTCATCTAG    68100

TGTCTGAAAG CACAAACAAC ATCCTACATT GTAAATGCCT TTGGCTACAG AGATTGAAAC    68160

CAAAGCAAAC CTATGTTTTG AATTGTTATT CTTCAGCAGT TCTGCTAGCC TTGAAAAATC    68220

TAAAAGTTAA AAAAAAGCTT TATATTTCAT TTTCTGCCTA AACTCTTTAA AATTGCTAGT    68280

TGACAATTAG ATATTTTCAA TTTAATGAAA TTTTTTTTTA GTTCACAGAT TAATACACAA    68340

TGGGGGAGGG TTCTTATTCT GTTGGACTTT TACATAACCT CCACTTTAGT GCAGTCTGCT    68400

TTATGGGGTC TTGTTTGAGG TGTGTGTGTG TTTAAGGGAA TGTGGTTTAC AATCAAAATA    68460

TTGGGTTGCT CTTAGGCACA TTGTAAAGTC ACACACCTGT ATTCTTATTG ATACATAATG    68520
```

-219-

```
ATTAATAACA TTATTATTAC AGCCTGATCA CCATCATTAT TGATATATCT AAATAATGAA  68580

TTTTATAATT TTGCTTCCTG TCAGGCAAGA GCCAATTTCA GTGCTACCAT GTTTGTATAG  68640

CAGTATTTAT GTCTGTCATC CTCAGTCATT TTACTTCACT TGTTCTTAGC CAAACGGCCG  68700

AGAAGCGATG GTCATTTTAC TTCAAAAATG AAAAGAATTA ATATTTTTAC GTTTCCCTTA  68760

AAGACCCTAT GTTTAACCTC CACTCCCGGG TAAAATGGTC TAGTCCCTCC TTTTCATATC  68820

ATCTCTGATA TCTTTTGCAC AGCCACTATT ACCTACCGTT TTCTAGATCC CTATTCTTCA  68880

AACACCACCA TGAAGGTAGA GCCTGTCTGA ATTATTTTCT TGTCCCGTGA ACTCAGTACA  68940

TTGTTAGGCT TCTTGAAGAT GTTGATCAGT TGTTTGTGGA GTGAATGAAT CAGCTAGCAT  69000

GATTTTTCTA GACCACTGAG ACAAGTGTCT AAGACACTTG TTCCTTCCCA TGTTCTTGCC  69060

TGCCTGTGCA ATCCATGCAG TCTCATGGCT TCCCAGTGCC TCAGAATTAT CCCCTGTCAA  69120

ACAGGCATTA TAATTTCTGT CCACTGAAAA GGACAAAAAA CTAAGTGTAT AGCTAGAAGT  69180

TAAAAATTAC CGGCCAGGTA CTGTGGCTCA CTCCTGTTAT TCCAACATTT TGGGAGGCTG  69240

AGGCGGGCAG ATCACCTGAG GTCAGGAATT CGATACCAGG CTGGCTAACA TGGCGACCCC  69300

GTCTCTATCA AAAATGTAAA AGTTAGCCAG GTGTGGTGGC TCGCACCTGT GGCCCCAGCT  69360

ACTCAGGAGG CTGAGGCAGG AGGATCGTTT GAGCCCTGGA GGTTGAGGCT GCAGAAAAAT  69420

AGGAATATAC TCTCTTTCAA GAGTTCGTGG TTTTGACTGC CACCTAGCGT ACATCAGAAA  69480

AACC    TGA CATAGGAAAT GCCTGTGACA GAGGGGTAAG    AGAGAGG TTGATGAAGA  69540

ATGTATTGAA GGAGTGAAAA CGCTTCCATC CCTCTACTTA CTAAATATAT TAGTTAAGTA  69600

GTTGGGGCAT ATTTTAATTC ATGCATTTTG TAGATAGAAA AACAAAAGTT TTATTCTGTT  69660

TGATTAGTT GATACTTTAA TATGTGTGTG TTTAGGATGC ATGATTTATA ATCAGTCTGC  69720

AGCACTTCTT GGAGAAGTCT GAATTCTCAT TCTCCATTTC CTTATTGGCA ACGTGAGAAT  69780

GATTACAATG GTGGTTGTCT CATAGAATGC AGGGAGTCAG AATGAAAATA GTCCATATAA  69840

TGCCTGGTGC AGAGGAAGGG TTCAGTTAAC TGTCTGTATT AATATTACTG ATAACAGTCA  69900

TGACAAACAA AAGCTTAACA ACAACACCAC CAACAACAGT TGCAGAATTG AGCCACCAAT  69960

TTGCACACAA GATTGTAGGT AGGATGTTTT AGAAAGTTA TTATTAATA TATGTATATA  70020

TTTTTGTACT TAAAATATGT CAGAGGTTGT TCTAAGAACT ATTTAAATGT TAACTCCTTA  70080

ATCCTCATAA TGACCCATGA AACAGGTAGG CTTATTATTG TCTCTTTACA TGTGAGAACA  70140

CTGAGACACG AAAAGGTTTA TTAACTCACC CAAAGTCACA CAGCTGGTAA AACGGCAAAA  70200
```

-220-

```
TTGAATTTGA ACTCAGACAT TCCAGGTTCC AAGACAGTCT AATTATTCTT TTGACTAATA   70260

TACTAAGCTG CCTCTGTATT TTTCCTTGAT TACTTTGTAA AAGTATGAGG AAAATATAAG   70320

TGCTTCAAGT AACCATGAAA AATATAAACA ATCTATGTAT CAACTGAAGC ATAATTACAA   70380

ATCCTTTGAT AAGCAAACAT AATAAAAATT TGATATCAAT CAAAACTTTC ATGTAATGTA   70440

AGCAGGTTGA GATGAATTCT ATAGTAAAAA AGTGCAGAGT GCTGGAATAC CATGCTCCTA   70500

ATATATTGGC TAGGCACACC TGCCTGCTAT CAAAGGTATG CACACACCTT GGATACAGAA   70560

AGTTGGGACT GGGTAGTTAT GTGAGTGTCA TCAGAATTCT TTCCCACTTG GGAAAGAATT   70620

GTCCATCATA AGCTTGGATG ATGGACAAGG AGTGAGCTCC CAGAACAGTG ATGTGGGGAT   70680

ACATCCTCAC ATCACAGTGA GAATGAGTGT TCTAGACTGT TTACACACCT ACCACTCCTA   70740

AATGCACACA TATAATTGCT TGCACACACA CACATACACA CTCATCTCTT CTCTGGTGGT   70800

CCAGCTCTAT CTCTTATCAT TAGGCTTCTT GGGGCTAGTA CCTAGGGCCT GTATCCTTTC   70860

AGAGGCAGCT AAGGGAAGCA CACATAATTA GAAAGAATGA ACCAGCTTGT TGGATTTGGT   70920

CTCTTCGCAT CCAGCCCTCC AAGTTAAGGA GAGTACCATC TTTCTTAGGG TCACCAAAGG   70980

AAAAAAAAAA AAAAGAAAGA AACAGAAGGA TATCATACAG CAAGGATCTA ATGCAAATAT   71040

GCCTCAAATG AGAGGCTACT GTGTGCTGAT CCCAATCCCA GGAACTGTAT GCACATTATC   71100

TAATTTAATC CTCACTGTAT TTCTGGGAGT ATTATTCCCA TTTTACAGAG AAGGAACTTG   71160

GCAGGGTAAC CAAGCTCATG AATGGAGAAA CTGGGATTAA ATATAAAGCT TCCTTGCTCC   71220

AGAACTGCTG TCTTTCTGCT CTTCCACACT ACCAGCTCAG CTGTGCTCTC TACATGCAGG   71280

CAGTTTTACA AGTTTCAGAT TAGCCTGGGA CTTCCAGGGT TTTGAATGGG TTAGGGAATG   71340

GGGAACTTTT GGGTTTACTT TCCATTTTTT CTTCATACAT ATGTAATATA TAACATAAAT   71400

CTATGGTATA TATGATAAAT ATATGGCTAC ATATGAACTA TATAATCACA TATATGCATT   71460

ATAAATAAAT ATTAATTTTA TAATATTTTA AAGGTTATCA AATAAATATT AATATAAATA   71520

ATTAAATAAT TAATACTCAG CTTTGTTTTC CAAAGTGATA AATGCCTATA TTTAGCAAAA   71580

TATTTTTTGG AGGCCTGATA GTTTTTAGGA GTGTAAAGAA GTCCTGATAT CTAAATGTTT   71640

AAGAACCACT ATTTTAGGCT GTTGTCTTCT GTCTTATTTT CCCAGCTAGA CTGGTAAATA   71700

CTTGAAGGCA AACGTTTAGC CAGCACATTA ACATTTTATG TTTTTATTCT TTTGTGCTCT   71760

CAGTGGCTGT GTCTTTTCTA TCGATTTCTC ACACTGTATG ATGGTTATAT TTGTCTGTAT   71820

CTGTCCCACC AGGTATAAGT TCTTGAGAGG ACACACTGCT AGGCTGATCT TAGTTTTTAT   71880
```

```
TATTTCTCCT GGTGTCCTGT GCTTAACAAG TGCTCATTAA GTGTGTAAAA ACACAGCACA    71940

GTAAAAAACT AGACATTAAA AAATAATGTC AACCAATCTA TTGAAATTTG CATTTCCATG    72000

TTTCTTCCAA TATAGTCATT GTGTCAGGTT ATGTACTTAT TCTGATGAAG ACTATTGCCT    72060

AATATACGTT TGCATCTTGT GCTTTATAAC TGCCTTCATA TAGACACAGA TTGAGAAGGT    72120

GTAAAAATGT GCATATCCTC ACAATTGACA AATTCTTATC CTTTGAGGGT AGGTTTGACT    72180

TTCTGAAATG CTTTGACATC ATTTGAAAGA AGCTTGAAGA ATAAGATAGC TGTTAATGAC    72240

CCAGTTTCCT ATGTCACTTA TACAATTATA ATGGCAATTT CAAAATGTTA GGTAAATATA    72300

TTTTGCAATA TATTGTTCCT TTTGTAATAC TCTCTATGTA TTTATTTATA TTTTTAAATT    72360

TTATATTTAT GTATTTATTT TTCTGGACAG AGTCTTGCTC TGTTGCCCAG GTTAGAGTGA    72420

AGTGTTGTGA TCATAGCTCT CTGCAACTTC AAACTGCTGG GCAAAAGTGA TCCTCCTGCC    72480

TCAGCCTCAT GAGTAGAGTA GCGGGAACTA CAGGCGCATG CCACTGCACC CAGCTAATCA    72540

CTATTTATTA TGCTCCTACT GTGTGCTTTA GTATATTTTC TGTTGTTTTC TGCAACCCAT    72600

TTTGAGGGCG TGTTAGGGAA TACAGATGCA GTAACTTTGG TCTCAGCCCT TGAGGTGAGG    72660

AAATATTTAG CCTCAGGTTT AATCTAATTG TTGGCCATTT GCCTTCAAAG ATTGAAATAT    72720

GAGCAAAACT GTGGCTCTGG GTTATATGTT AAAAAAAAGT TTATGGGGCT GAAGCCAGGC    72780

AACAGACAAG AGCCCCTACA ATCTTATTTA GGCTGAAAAT ATCCTGGAGT CCCTGTATTG    72840

TTGGTCTCAA GCAGATAGCA ACACTAACAC TTACTCTTTG AGGCAGGCAC TGCCAGTGGG    72900

GTGGCTGTTA TTATTAGCTT CATTAATTGG TGAGTCAGGA AAAAACAGCT TTAAATCATT    72960

CAAAGTTCTG GCCTATACAG GATTTAGTAA TATTAGGTTA GCTACATCCA AAAGATGACA    73020

GAACCCTACT CTAAGGCTGG GCTTGGTGGT TCACACCTAT AATCTCAAAA CTTTGGGAGG    73080

CTGAGGCAGG AGGATCACTT GGTGCCAAGA GTTTGAGACC AGCCTGAGCA ACATAGTGAG    73140

ACCCCTGTCT CTATCAAAAA CAAAGAACTC TAATTGGCAT AGTAGAAGGA AAAAGTGAAA    73200

GAAAAACCAG CTGTCACCCT CATTCCTTAC ACCTGTCCTA ACAACTCCTC TCACTATCCT    73260

TTGAATATAT CTTGGCTGTT TGAGTCTCTC TCTAGCCCCA TTACTGCTGT TTGGACTTGA    73320

CATTTTGCTC TGCATTTTTA ACTTTTCTAC CAGGGTTTCC AGACCCTGAA GAGTGTGGCA    73380

TGAAACAAAA CTAGTCAACC TATAATATTT ATGATGTGTG TGTAAATAAA AGAATACACA    73440

ATATATTGCA TTACAATATT TTAACTGTGT CCTCAATTTG TTTGTGGCTT TCTTGAGGAC    73500

ATCAGTTTTG GGTGGGACGA CCACATCCTT AATCTGAACT TTCCCTTGGA GGTCATTCTT    73560
```

```
TTTTTTTTGA AATAGAGTCT CGCTCTGTCA CCCAGGCTGG AGTGCAGTGG CGCAATCTCA   73620

GCTCACTGCA ACGTCCGCCT CCTGGGTTCA AGTGATTCTC CTGCCTCAGC CTTCCAAGTA   73680

GCTGGGATTA CAGATGCACG CCACCATGCC GAGCTAATTT TTGTATTTTT AGAAGAGACG   73740

GAATTTCACC ATGTTGGTCA GGCTGGTCTT AAACTCCTGA CCTCATGATC TGCCCACCTC   73800

AGCCTCCTAA AGTGCTGGGA TTACAGGCGT GAGCCACCCC GCCCGGCCAG AGGTCATTCT   73860

AATAGACTTT TTTTTTGTTG TTGCTCACAG GCTTGTTCAA TCTTATTTCA AAATTTGAGA   73920

AATACAGTTT CCATGGAACA CCAACCAGAT ATCAGGTTGC TATGGAGTTG ATAGTCAAAA   73980

GCTTTGTATC TTCCAGTTTT TCAGAATGGC TTCTAAAGGT TCTGATTCAG AGCTCTTAGG   74040

CGAAATTGAA CAACCAAGTG TCAAAGTACA ACATTCAGGA AGTTAAAAAC ATGACTGACA   74100

TATATGTACT ATATATAGTG AGCTTGTGTA TGTGTCAATG AATGATTTAA TTCATTAATG   74160

AAGGAGGAAG CAGAATCACA ATTAGGTCAA AGGAAGATAC GGGAGAATAA AATATGTATT   74220

TGGTCAGGGA AAGGATGTAT ACTGGAAGAG GAAGGGAAAA TCAGATATAA AGTTGTTTAA   74280

TGACTTATTA GGCAATACAA TAATAACTTT TAGGGTCATT TTTTCTATAT TAAGAATTCA   74340

TTTCCATCTC TATGACAAAA TCCTTATTAA TTTATTAAAC TTCTACAAGT GAATGTTTAC   74400

TTTTAGATAG TCTGGACCCA ATAAAATGTA AACATTAAGT CAGAGTTACT TTCACGTAGG   74460

ACAGTGTTGT CCAATAAGGT ACCACTAGCT ACACGTGATC ATTGACCATT TGGACTATAG   74520

CTAGACTGAT TTAAAATGTT CTAAAAGTGT AAAATACACA CCAGGTTCTG AAGATTATC   74580

ATTTAAAAAA GAATGTCAAC TGTCTTTTTT TTTAGCTTAT TTATTATATG TTGAAGTGAT   74640

AATAGTTTAG ATATATTAAG TTAAATAAAA TATCTTAAAA TTAATTTTAC TTGTTTCTTT   74700

TCATTCTTTC AATGTGACCA CTAGAAATCT GGAAAGTATT TATGTGATTC ACATTCTATT   74760

TTACTGTCTA GTATTGCCTT ACATCATCAG GTACCCATA AGTAGGCTTT TTAGATAATT   74820

CTCTAATATA GCTTGGAAGG ATATGGAGAA ATATTTTTGC GTTGCTTTTA AGTTTTGCAT   74880

AACTTTTTCA ACACACTTTA TAAAGGATCT AGAAAAGGGT TGGTTACATG TTTCTCTGTC   74940

TTCTGGCCTC CACCATGTTG CCAGGAGGTT GGGGACAAGA TTCTGGGTGG CTGGATGTCC   75000

TAATGGCTTG AGGTCTGGAC TTGAGATTTG CATATAAAGA GATGTGATTA GATTGAGTCG   75060

ACTAGAAAAA TCATATTAGA GAACTGAATC ACAGCGATTA AATTTACATG TCGATTTATA   75120

AACCAGGACA CCAATTTATA GTGAAAGAAG GTCCAGTTAC CTGGTAATCA AGACGTTTCA   75180

TAGCTATTTT CATGATGGAT ATACTTAGCT GAGTTTTAAA TGAGAAGGGG GTTCATTGCA   75240
```

```
CATAGAATAA GATCTAAGTG AAATGTTTAT TTATTTTTTT TTTTTTTTGA CATGGAGTCT    75300

TGCTCTGTTG CCCAGGCTGG AGTGCAATGA GGCAATCTCG GCTTCTGGAG TGCAATGAGG    75360

CAATCTCGGC TTCTGGAGTG CAACGAGGCA ATCTCGGCTC ACTGCAACCT CCACCTCCCG    75420

GGTTCAAATG ATTCTCCTGC CTCAGTTTCC TGAGTAGCTG GGATTAGAGT TGCCTGCCAC    75480

CACGCCAGGC TAATTTTTGT ATTTTTTTTA GTAGAGATGG GGTTTCACCA TGCTGGCCAG    75540

GCTGGTCTCG AACTCCTGAC CTCAGGCGAT CTGCCCGCCT CAGCCTCCCA AAGTGCTAGG    75600

ATTACAGGCG TGAGCCACCA AGCCTGGCCT AAGTGACATG TTCTTATATT GTTCCTTTCT    75660

TTCTTTTTTT TTCGACTGAG TCTCACCCTG TTGCACAGGC TGGAGTGCAG TGGCGTCATT    75720

TCGGCTCATT GCAACCTCTG CTTCCCGGGT TCAAGCGATT CCCTTGCCTC AGCCTCCTGA    75780

GTGCCACCAC CCCCAGCTAA TTTTTGTACT TTTAGTAGAG ATGGTGTTTC ACCATGTCCG    75840

CTAGGCTGAT CTCAAACTCC TGGCCTCAGG TGATCCGCCC CCGAGTCTCC CAAAGTGCTA    75900

GGATTACAGG CGTGGGCCAC GGGGCCCAGC CTTATATTAT TTCTTTTACT ACAATATATT    75960

AGTATGATGC AGGTGCTTCA ATTGTTTATA CACTTTCCAT AATTTTGTAT AATTCTTATA    76020

CCCTGTCACT CTGAGGAATA GCCGGTCTAA GTGTTTTTCC ACCACTGCTA ATTCATCCAT    76080

CACTAATCTC ATTAGACTGT TAATTCCCAG AGGACATAAG CACACAAGCA GACAATGTTT    76140

ACAAATGTTG GACAAATGTT ATTTAATAAA CAATGGGGT CACCCTTAGT CTAAAAGATG    76200

TTTCACTTTT CATTTGTCAT TGAACTCTTA TTTGTAGGTT CCCTTTTGAC TTTCCCACAA    76260

TCTAAGGCTG TTCTCTTTAA CACATATTTT CATGAAAACA TATATTTGAG CAGAAATTGT    76320

TGGGGAGTTG TAATATTACC TTTGTCCCTA AATATGAATC TATAATTATA TCAAATATAT    76380

GGGCAGACAA TTTACTTTGC CTTTAATCTC AAGAAAAAAA TAGCAATTAC TTGGGGTCGG    76440

AGAGTAAAAT AAGAAGTAGT GAACCTTAAA GTAGCAAACT TTAGAACAGA ATAGTTTCAG    76500

AGGGGATGAG AAGAGGTGAT TTTTCAGCTC ATCAACAACA GATCTTATAA TAAATTACAT    76560

GTTCTGGTAC TTTTCTTGTC TTTCTGTGTT AAATTTTGCT ATTTAAAAAA ATAAATTTCA    76620

AATACATTGT TCATCTTAAA AGTCAAGAGT GTGTTTATT AAAGTCAGTT GCTTTATTTG     76680

CAACTCAAAA GATATATTTG AGTTCCCAAC TGGAGATTGT CCTATATGGT AACTTGCGTA    76740

AGGTATGGTT ACTGAAAGTA ACCTACAATT TTCATGGGCT GAAATTCATT TCTATATTGC    76800

AGCGTACAAA AATAAATAAA TAAAAAATGC TTGTTTTCTT TGAAAACATA TTATCTCAGT    76860

GCCTCTAACT GCCAAATCTA TTGGCTTTTT TGCAGGCTTA AGGGCTCTCC CTTGTTCCTT    76920
```

-224-

TATGATCTCT ATCTTGAGGG CCAGACCTCC TGCCTTACAC AACTCAGAGG GGGACCTCAG 76980

AGCTCTTTAA AAAGAGCCCA ATTTCTCGCC TGTAGAGAAG TGAAAGGAT GCCCCACCCC 77040

CATCTATGAA AAGAGGGATT TGATAGTTTC AATGTCTTCA AATCAAAGAT TTAAGTCTGT 77100

AGCCCCCCAC CACCCCGGAC CCTAGCAAGG CTCATGAACC CCCTCCCATC CCGCCCTAAT 77160

TGCTTTGGAC TGGCCGTGGA ATCCTTGTCC CAGTCCACAG TTCCTGTGCG ACTGCACGAA 77220

GAATTCACAG AGGACCTGTG TTACTTCCCT TGTGAAGAAA CAGAATTATC ATGAAAATTT 77280

AGGTGGAAAC CATTTCGCTT TTTTCTTCAA AAATAAGGGA AGCATGTGCC CAACCACCCC 77340

TGGGAAAAAG AACCTTCAGG GGCAAAGGAG CGAACAGGTA ATTTATAAGA AAAACAGAAA 77400

GTGGTCTCTG ACTGCCCCAG ACTTCCTTCG GAGTTGGGGG AATTGGGGAC GCCTGGACGC 77460

GTTGTTTTTG CGTTTGTGGA AAAAATAAAT GAAGAGCATG AAGCCCGAGG CTTCTGAGAT 77520

CCTTTCCTGA CCAAACCCAA GTGATTTGGT GCGGGGAATT TTAATATTTT TCCCCTTTTG 77580

TGAGGTGGAA CAAACACAAC TTGGGAGCAG CGCAGCGGCT CAGAGCCTGC CAGCCAGGCG 77640

GGCGACCAGA GCACCAATCA GAGCGCGCCT GCGCTCTATA TATACAGCGG CCCTGCCCAG 77700

ACGCTGCTTC ATCGGCGCTT TGCCACTTGT ACCCGAGTTT TTGATTCTCA ACATGTCCGA 77760

GACTGCTCCT GCCGCTCCCG CTGCCGCGCC TCCTGCGGAG AAGGCCCCTG TAAAGAAGAA 77820

GGCGGCCAAA AAGGCTGGGG GTACGCCTCG TAAGGCGTCC GGTCCCCCGG TGTCAGAGCT 77880

CATCACCAAG GCTGTGGCCG CCTCTAAAGA GCGTAGCGGA GTTTCTCTGG CTGCTCTGAA 77940

AAAAGCGTTG GCTGCCGCCG GCTATGATGT GGAGAAAAAC AACAGCCGTA TCAAACTTGG 78000

TCTCAAGAGC CTGGTGAGCA AGGGCACTCT GGTGCAAACG AAAGGCACCG GTGCTTCTGG 78060

CTCCTTTAAA CTCAACAAGA AGGCAGCCTC CGGGGAAGCC AAGCCCAAGG TTAAAAAGGC 78120

GGGCGGAACC AAACCTAAGA AGCCAGTTGG GGCAGCCAAG AAGCCCAAGA AGGCGGCTGG 78180

CGGCGCAACT CCGAAGAAGA GCGCTAAGAA AACACCGAAG AAAGCGAAGA AGCCGGCCGC 78240

GGCCACTGTA ACCAAGAAAG TGGCTAAGAG CCCAAAGAAG GCCAAGGTTG CGAAGCCCAA 78300

GAAAGCTGCC AAAAGTGCTG CTAAGGCTGT GAAGCCGAAG GCCGCTAAGC CAAGGTTGT 78360

CAAGCCTAAG AAGGCGGCGC CCAAGAAGAA ATAGGCGAAC GCCTACTTCT AAAACCCAAA 78420

AGGCTCTTTT CAGAGCCACC ACTGATCTCA ATAAAAGAGC TGGATAATTT CTTTACTATC 78480

TGCCTTTTCT TGTTCTGCCC TGTTACTTAA GGTTAGTCGT ATGGGAGTTA CTGAGGTATC 78540

AGAGACGAAT TGGGTGACGG GGTTGGAGAG TGGCCGTGGT GAGGTTACAG CATTTAAACC 78600

-225-

```
TTTATTGCGG CTTCTAGGTC CCTGACCGGA GGCTTTTCTC GCTGGCGGAT GGTTTTGGGA    78660

TGGCAGTCCC GCCCCAGGCC TGTGAACGGC AGAAAAGACC GCAAAACAAG AGCCAGTTTC    78720

TTAGTCTAAA GGGATGTCCG GATTGGACTA AAAAATTTTC AAAAGTCCCG CCCTGCTCCC    78780

GGGTTGGTCC GTTCTTCTAG TACATGACTT TCATTCTGTA TTTAATTGGA TGGTGGAAGA    78840

CGTTGCTTAT TCTGTGTTTT TTGCTTTACT GTGACTTAAA AGTTTTGCCT CTTTTCTCTT    78900

TATATTAATG TCTGGGATTT CGGACGCTTT CCATGTTGTT GGTAGTCAAG TTGATGTCTC    78960

CTGGAGGTAG TGGCAACATC CAGCCCTGGG AGGAGAGTGC GTGCAGGTAC CTTTGTCCTA    79020

CATTCCTCTG CTGTTAATTT CTCATTCCTG TGGCAACGAA GGAATGCATT TAAAAAACAG    79080

CCACAACAGC GGCAATAGCC CTTCCTCCAC CCAAGGCAAT CGTGGACCTA GGGAGTTTTT    79140

TGTGCCACAT AACATGTAGC CTTCCGCTAA ACTGACAGGT TTGAGCGTAT CGATTTTGAG    79200

CGTATCGAAA GCACAACTTT TAGCCAGCCA TTTTGTCCTC GCATGACTAC GGTTGCTTAT    79260

CCTGTTTAGA CAGACAGCAA CATTTAAAAA TCGAAGTTCC TTTAAACGTA TTTTGTTTGG    79320

CAGTCCAAAT GTTTCTATGC AGAAAACAGT ATTTGTACTA TTAACTATGA AGAGTGTATG    79380

GATAAATGGG AGACATTTCT AATAAAGGCC TTCGTTAATG GTTCCCTCTG TTTGACATCC    79440

ATGGTGCTTC TGAATACAGA AAGCCTAGCG TCTTATATTC GCTTCTTTTA AAATCTGGTG    79500

GGCACATTTT GGTGAGACCT AAATTATGGG GACTGGGGCT TCTGGAGATA AGCTGCTCAA    79560

TTATTCTACC ATCTCCACAA TGATTAATAT AGTGAGTTGA TTTGTTAGTG ATAGTGACCA    79620

CGGATTCATC CCAAGAAAGA GAAAGGGGAG GGAGGCAAGC AGAGAGACAG GAAGACAGAG    79680

GCAGGGAAGA AGGAGAAAAC ATTCTCCCAT GGTTTAAGTA ATTTTGTGTT GTTAATTTTA    79740

CATTACAACA CGGTTTAACA TGGTGAACCC TCTATTTTGG TGTAAGGTTT AACATATGGA    79800

CATATTTTTC CCAAGACCAT TTATGAACTT TCATTCTGC TTCCCCCTTC TTCCTCCCGT     79860

GCCACCCTCC ACGCTCCTAT CAATTTTGGC TGTTTTGTCA TAGGCTAATA CGCTATAATT    79920

TCATGGACAG TTGGACTGTC TTAGGTTTCT CAGGTTTCTA TTTTGTTCCT TTAGTCATTC    79980

CCACAATTCT TAAGGTAGAA TTGTATTGTT TTAAACATTG TGTTGTGTGC TATCCTCAAT    80040

GCTGAGATGA TTATGTGACA AATGGCAAGT GTTCAACTAA TACCTAAATC TGTAGTATCT    80100

TATCAAGCCT AATGCTACTT CACAATGCCT ACTCCATTCA CCGCACTTTA TCTCATTACT    80160

GGCATTCTGT CATCTCACAT CATCACAAGT AAAACGGTAA GCTATTTTGA GAGAGATCAC    80220

AGTCATATAA TTATATTTAT ATTTATTTAT TTATTTATGA GACGGAGTTT CCCTCTGTCA    80280
```

-226-

```
CCCAGGCTGG AGTGCTGTGG CACGTTCTCG GCTCACTGCA ACCTCCGCCT CACGGGTTCA   80340

AGCGATTCTC CTGCCTCCGC CTCCCGAGTA GCTGAGATTA CAGGGGCCTG CCACCATGCC   80400

CGGCTAATTT TTGTATTTTT AGTAGAGACG GGGTTTCACT AAGTTGGCCA GGCTGGTCTC   80460

GAACTCCTGA CCTCAGGTTA TCCGCCCACC TCATCCTGCC AAAGTGCTTA GATTACAGGC   80520

GTGAACCACC GTTCACAGAC TCAAATCATT TTTATTACAG TATATTGTTA TAATTGTTGT   80580

TTTATTATCA GTTATTGCTA ATCTCTTACA GTGCCTGATT TATAAATTAA ATTCATCATT   80640

GCCATGTGTA TATAGAAAAA AACAGTGTAT ATACGGTTCA GTACTATCTG TGGTTTCAGG   80700

CATCCACTGG GGGTGCAGTT TATTAAACAT GCATTACAT TAGTCTCCCC TTTGGGAGAC   80760

TAATTAACTG AGATGTTGTA ACGTGACTTT AATAGCAGAT AGAGCTAATT TTCTCTCATT   80820

ACTCTTCTTT TTCAGAATTT TCCTGGTTAT TCCATTTTTT ATTTTTCCAT ATGTATATTA   80880

AGATCTCTTC CACCTCCTCC TGTTTCTCCA TCTCAACATC AAACAATTAA AAAAAAAAA   80940

AAAGGCTGGG CGCGGTGGCT CACGCCTATA ATCCCAGCTC TTTGGGAGGC CTAGGCGGGT   81000

GGATCACGAG GTCAGGAGTT CAAGACCAGC CTCGCCAAGA TGGTGAAATC CCGTCTCTAC   81060

TAAAAGTATA AAAATTAGCC AACCATGGTG GCAGGCGCCT GTAATCCCGG CTACTCGGGA   81120

GGCTGAGGCA GAGAATTGCT TGAACCCGGG AGGCGGAGGT TGCAGTGAGG CGAGACCTTG   81180

CACTCCAGCC TGGGTGACAC AGCGAGACTC CGTCATAAAA AAAAAGCCG GAAGCAGTGG   81240

CTCACGCCTG TAATTCCAGC ACTTTGGGAG GCTGAGTCAG GCAGATTACC TGAGGTCAGG   81300

AGTTCAGGAC CAGCCTGGCC ATGAAAATAC AGCCTGGCCA TGAAAACACA CAATAAATTA   81360

GCTGGGCGTG GTGTCACACA CCTGTAATCC TAGCTACTCG GGAGGCTGAG ACAGGAGAAT   81420

CACTTGAACC CAGGAGGCAG AGGTTGCAGT GAGTTAAGAT GACGCCACTG CACTCCATCT   81480

GGGCGACAGA GCCAGACTCT CTCTCAAAAA ACTAAATAAA TAAAAATAAA GTTATGGTAC   81540

ATTGAACTTC TGTGTTCCTT TCTCCCTTAG ATACTTTCAT GGCTACCCAT TTAATTGATG   81600

TTCTTATCAT CTCCAAGAGT TAGTCAGGAG AGGAATCAAC CCAAGCAAAA ATAGCTGATT   81660

TTCTAATTTT CCTTCAATGC CCTTTGGGGT CTTAATCCAT TTGATTTATG TACTTTCAAT   81720

TAATCCTAAC CTCGAATGTC TTCTGCAAAC ATGTTTCCAC AGATGAAACT CGTCAAATGA   81780

AACACATTCC TTTAATTTAT AGAGTTAAAA ATTAGAAAAA TTTTCAATTC TATTTGGCCT   81840

TTAGATTCAG TCTTGCATAT GTTTTCTCAA TTTTGTTCAT GCTCTTTAGT TTTGTTTTAT   81900

TCCATCACAA TTGTTCACAT AGCTTACTGG CTTAGGTCTA ATGAACCATT CATTTGGAAA   81960
```

-227-

```
TTAAAATTGG CCATTTTAAG ATGAAAAAGA TTCTTGCCTC AATTTTACTT AGTTTTTGAA    82020

ACTGTCAATG AGGACACATG TTTTTCTGTA CTCTTAGATT CACTAAGTAG TGTCTTGCAA    82080

ATTTAACTGA CAAAGGACAG ATTAACATGC GAAAAAAAAA GCATGCAATT TTATTAGTAT    82140

ATTACATGCA CAGAGTTCCC AAAGAAAAAA AAATTGAAAC CTTAAAAACG CGGTTAGACT    82200

CACAGACTTA TACACCATTC CAACAAGGA AAGGGAGTTT GCACTTCATG GGATGACGAA     82260

TTTGGGAATG TGACAAGGAA ATAAATACAT GGGCAATAAA AACCATGGAA GATAAAATGA    82320

AAGATAGAAA TAATTGTAGT AAGGTTTGTT TTTGCAGAGT CATCTCAGTG CCAACCTTCC    82380

ATATCTAGTG ATAAGAATTG CTCTCTTTTT CCTGGTATAG CAGTTGGGGA CACTTTTACA    82440

AGGGAAATTT CTGTCACCTT CACAAAGGGA AATTTGGGTA AAGAGAAGAC AGAGACCTCT    82500

TCCTACACCT GTTGATTTTC AATTGCCTTC AGCTGAAAAT AACTTTTATG CCAAAGTAGA    82560

ATAATTTGGG GGTGACATCC TGATATTCTT CAAAACTTAT ATTTAATTTC ACATTAGTAA    82620

TTATATCATT TTTGATTTTT AAATTAGTTT TATAAAATAA TTTTGAAAAA CGGTAATAAT    82680

ATTCAAATAA TTCCAGAAAC ACTGCTGATA AGCCAAAAAC ATCAATGAAT ATTGCATAAA    82740

CAACTGATAA TTCAACCATG AAAATTTATG ACATTGTTCT TGTGTGATAA AACTATGAGT    82800

AACATAAAAA CTAGAGGCTA CTTGTAATGC ATTATTCCAA ACTTTCTGTT TTTTATTTAT    82860

TTATTTATTT ATTTTGAGAC ATAGTCTCTC TCTGTCACCC AGGTTGGAGT GCAATGGCGT    82920

GATCTTGGTT CACTGCAGCC TCCACTTCCC CGGTTCAAGC AATTCTCCTG CCTCAGCCTC    82980

CTGAGTAACT GGGATTACAG GCACCTGACA CCAAACCCGG CTAATTTTTT TGTATTTTTA    83040

GTAGAGACGG GGTTTCGCCA TGTTTGCCAG GCTAGTCTCG AACTCCTGAC CTCAGTGATC    83100

CACCTACCTC GGCCTCCCAA AGTGCTAGGA TTACAGGCGT GAGCCACCAT GCCCGGCGCA    83160

TTATTCCAAA CTTTCATACA CAGTGCTATC ATGGCTACAA ATTGAAGTAT CATATTATAC    83220

ACTCCTAGGC AAAGCTCTGG ATATTTGGC TATATAAGCC TGAGGGAAAT GTAGTAAGGA     83280

CATTGTGGTT GAAATTCATA CCAGAGATGA ACAGGCCCAG TGCAAGACAG AATTACATCA    83340

CTAAAGGATA TCAGAAGAGA ATAGGGATTT AGGGTACAGT GGCAACAACA GTTTTGGGAA    83400

CTAGCATTTT TTGAGCACTT ATTTACAATA TGCCAAGCAC TGTTGCTGAT TACTCTATAT    83460

TTATTTTCAA ACACATTCTT GTCACAGCAC TTTGAAGTAA GTGCCATTGT CATTCCCACT    83520

TCAGGGTGAA GGACTAAAGC TTGGTGTCAT TAAGGATGTA GCTAGTTAGC TGTGTGTGTG    83580

TGTGTGTGTG TGTGTGCATT TTTTTTTAAA TTTAAAGTCA ATAAATTTTT ATTTGAAGAA    83640
```

-228-

```
TTTCACATCA AGGTAAACTT TGTTCCTCTA AAGAGCTGGA GTCAAAATGT ATCTTCAAAA    83700

GATTCATCTT CAAGTTAGCC CTTCTTAATA GAACTGATGC TTAATCCACA GTTGTCAGCC    83760

CACAGTTCTT TTATTTTGAC TTTTTTTTTT TTTTTTTTTG AGACGGAGTC TCTCACTGTC    83820

ACCCAGGCTG CTGGGCAGTG GCGTGATCTC GGCTCGCTGC AACCTCTGCC TCCCGGGTTC    83880

AAGTGATTCT CCTGCCTCAG CCTCCTTAGT AGCTGGGACC ACAGGCGCAT GCCATCGTGC    83940

TCGGCTAATT TTTGTATTTT TATTAGAGAC AGGGTTTCAC TATGTTGGCC AGGCTGATCT    84000

CAAACTCCTG ACCTCATGAT CCGCCTGCCT TGGCCTCTCA AAGTGCTGGG ATTACAGGTG    84060

TGAGCCACTG CACCCGGCCT TATTTTGCCT TCTTTAATCT CCATTTGAAC ATGGACATAC    84120

TGATGAAAAC TACAACATTC TTCACCAAAA ATCTTTGGGA TTTAATTTCT TCAACCACTT    84180

TACTTTGGGG TCATTTTAAG ATTAGGTGTA TCTGCCTGGT TCTCAATTTG ACACCCTTTC    84240

TCTCTAAACA TGAATGAGTT CCAATCATAT TTATTCCTAA GCTATCACAC TCAAATATAC    84300

TACAGATCTG TGGAATATGC CAAAAGTTAA GGTGAAAAAT TAAATTATTA GGTATTTCAT    84360

AGTTTTGCTA GTTTTTGATC TGTGAGTGAA TATAACTATC CTCTATGTCC TGGCACTGTT    84420

CCTCAGAAAC ATAGGGTCCA CATATGTAAT TTTAAATTTT TTAATAGGCA CATTTTAAAA    84480

AGTGGAAAAA GAAATCTATT TTAATGATTT GAATCCAGTG TAACCAAAAA TTGTTTCAAC    84540

AAGGTATCTA ATATTAAAAT ATTGAGTTTT TACTTTGTTA TTTTACTAGG TCTTTGAAAT    84600

CTGGTGTGTA TTTTACACTT AAAGCACATC ACAGTTTGGA GTAGCCACAT TTCCAATGCT    84660

TAATACTCAC ATATGGTTAG TGGCAACTAT CTTGGACAGG ACAGCTTTTA TACTCTGGGA    84720

AGACACAAGC AAATACTTGC TCTGCAGCAG AATCCAGATG TTTTCCAAGA AAACACTTTT    84780

TCTGACCTGT TCGTGAAACC CAGGTAGTGT CTCTAATACT TTATATTTTA TTGGTTTGTC    84840

CTATTGTAAC CACCCAACGG GCTCTCCTTG TCCACTTCCT AGACAGAGCT GATTTATCAA    84900

GACAGGGGAA TTGCAATAAG GAGCCAGCGC TACAGGAGAC TAGAGTTTTA TTATTACTCA    84960

AATCAGTCTC CTTGAGAATT TGGGGACCAA AGTTTTTAAG GATAATTTGA TTGTAGGGGA    85020

CCAGTGAGTC GGGAGTGCTG CTTGGTTGGG TCAGAGATGA AATTATAGGG AGCCTAAGCT    85080

GTCCTCTTGT GCTAAATCAG TTCCTGGGAG TGGTGGGGTG GGGGACTCAA GACCAGATAA    85140

TCCAGTTTAT CTATATGGGT GGTGCCAGCT AATCCATTGT GTTCAGGGTC TGCAAAATAG    85200

CTCAAGCATT GATCTTAGGT TTTAAAATAG TGATTTTATC CCCAGGAGCA ATTTGAGGTT    85260

TAGAATCTTG TAGCTTCCAG CTGCATGACT CCTAAACCAT AATTTATAAT CTTGTGGCTA    85320
```

```
ATTTGTTAGT CCTGCAAAAG CAGTCTGGTC CCCAGGCAGG AAAGGGGTTT GTTTCTGAAA   85380

GGGCTGTTAT TGTTTTTGTT TAAAAGCAAA AGTATAAACT AAGCTCCTCC CAAAGTTAGT   85440

TAATCCCAAA CTCAGGAATG AAAAGGACAG CTTGGAGGTT AGACGTTAGA TGGAGTCGGT   85500

TAGGTAAGAT CTCTTTCACT GTAATAATTT TCTCAGTTAT GATTTTTGCA AAGGCAGTTT   85560

CACTGTCCAC TTCACCTCAC ATCAGGCCTC TGACTAGAGG ATTCCAACAA TACTTAGGCC   85620

AGGACACCAC CATGTCTCCT TATCCACCCT GAGGGATTCC AATTTCTGAA ACAAAGGAAA   85680

CTATATATGA TAGTATGAAA CTATATATGA GAAGGAAATT ATATATGATA ATCAATTTTA   85740

GGGTTATCTT ATTGATTAGA AGATATTAAA GTGTGACACT GCCTGGCAAT GATATCTGCT   85800

GGTAGTAAGA ATTTGGCGAA TTTAGTGAAA TTCCTGAGGC TGAACCTCCA CTTCTGTAAA   85860

ATGGAGACAG TGAGATAATT TGCCTTACAA TGCTGAAGTA AGAATTTTAC ACAATAATTC   85920

AGACCAACCA CTTCATGTGG TACTTGGCCC GTGGAAGACT ATCAATGACA GTTAGTTTAT   85980

AGTTTATACT ATTAATGAAT CCTTTGTTTC ATTGTTATTT CCTTCTACAC GTTGGCCTCT   86040

CTAAAGAAG GTAATATTCA ATACAAATAA AGTTAAAACA GCTTGCAGAG TTGTCCCAGG   86100

GAACTCACTT AACCACTGAA GTGTTCAAAT TGCTTAAGGT TGACTTTATA TTCTCCTGAC   86160

TAACCTTTCT CCTTCTGGTA TTTCTTCTGA GAACAGCACC ACCATCCAAA GCATCATGCA   86220

AACAGTGGTC ATCCCAGACC AGTAATTCTC AACTCACAGG GTGCTCCTGC AGAGATGTAT   86280

TTGAATAGAG TGGTAGGATG CTGAAGAAGG CCACGTAAAA TTTGGCCAGT GATCTGGGGC   86340

AGATTTATCC TGAAGCTAAT GAAACACAAG TGTAAGGGCC TGTACTTCCA AGGTGCAGAG   86400

AGGGGCCCTA CAAATGTGTT AGTTTGTCTC TCTCTCTCTC TCTGATTTTA AAATTTGCAG   86460

TATTAAGGTA CTTTAATCAC GGATGGTTCA GGCTGCTATT TTCACTCAAT CCTCCTTTTT   86520

ATTAAAATCA CCATTGTCTG ATTATGTTAG AATCCTGATG AAAATATTTG GAATTTGAGT   86580

AAGAGAAAGT TTAGTTGAAG ATGTATCTAG TATGGGGATA ATAAGTTACG TGATTTGCAT   86640

ATGTGATCAT GTGTACTTCA TTCGTTGCCA GCCAATCTGA CGTAAGAATG GCTTCAAGGA   86700

GGCCGGGCGC GGTGGCTCAC GCCTGTAATC CTAGCACTTT GGGAGGCCGA GACGGGCGGA   86760

TCACGAGGTC AGGAGATCGA GACCATCTTG GCTAACACGG TGAAACCCCG TTTCTACTAA   86820

AAATACAAAA AATTAGCCGG GCGTGTTGGC GGGCGCCTGT AGTCCCAGCT ACTTGGGAGG   86880

CTGAGGCAGG AGAATGGCAT GAACCTGGGA GGCGGAGCTT GCAGTGAGCC GAGATCGCGC   86940

CACTGCACTC CAACCTGGGA GACACAGCGA GACTCCGTCT CAAAAAAAAA AAAAAAGAA    87000
```

```
TGGCTTCAAG GAATGTTCCT ACTGCTCACT GGAATAACTC ACCTAAATTC CTGGCAAGAT   87060

GCAGGTCTAG ATAAAATGTT ATGACATCTA AGTATTCAAA ACACATTCCC AGCACTGAGA   87120

GTGAGTGTCT AGTGGAGAGT AGAAACGTAT AGAGCCAGAA GCTAGTCTGG AAAGAATTCT   87180

TACAAAGTTT ACAACTTACA TGTGAAAGGA GCTTAACAGA GGATTTTCCA AATTTGAAAA   87240

CAATCCTAAA AACTTACTTG ACATTACCAA TAATGTGTTT TGAAACTGAA ATACTTCTAA   87300

GTTATGAAGA AAACATATTA TCATCAGCCA CCCTGGAGGA AAGATTGAAT TCTATTTCCA   87360

TTACCTATAG ACAACATTAC AAAATAATTT CGATCTGAAG ATGGAATCAG AGTATTCAGT   87420

CAAAACTACA GGAAAATATA CTTGGTAGTG TCATATTCAG AAGTTAATAA AATATGCTAT   87480

TTTCTGAATT TTGTGATGGC TGTTGTTTTG TCAGCTTTTA TAAAATTGGA ATTTGATTTT   87540

ATTTTCCCAT TATAAATTTA TATTTACAGT CTGCAGTACT TTTGCATTTT TAATTTTACA   87600

TTATAGCTTT TAATAGTTAA CAAGTTGTAA AAGGTTTGAT CCCCAGAAAA CCTTGATCTA   87660

CCCCCTCAGT TAAGTATACT AATATATTTA GAAAATGGAT GAAATCAGCA TTTGAATATT   87720

TTTAAATATT TATTAAAAGA GGACATGGGT AAAAGAGCTT TGCAGTTGCC ACCCTTCATT   87780

CTCAAATTCC CTGGATAAGG ATGACCGCAT AATCTTTGGA TGGTCATACG CAAGTCTTGT   87840

GTATTTGTTA CATAAATCTA TTTAGTGGAC TTTTGGCAGT GTGTACTGAG GCCAGTTTCT   87900

TCCACCTGAG CTCTGACTCC ACCTCCAGCA GCCCAAAACC AATACTGAAT TTTGGGGTCA   87960

GCTATTGTTT TTGTGGACTT AGGTAACTAC ACACACATTG TCTTTATGAT AGCTTTAATA   88020

ATACTGCCAT CAGAACTAAA ATTGTCACGT GGATTAAAAG GAGTGACGGT GGTGTCCCCA   88080

GGAGCCTTTC AATATGTAAG TATTTACACA TATACATGCT AAAAAGACCC CTAGGAATTT   88140

TTTTAACAAG GGCAAAACAG TAACTCAGCT TGTTTTCTCG CAGTAAAACC GGTTGAAAAG   88200

GCCTGATAGA CTTGTCTGCA GTTACAAAAC TTGTGTGTAG TTATCACCTT TATATCTCCT   88260

GGAAACTAAC ATAGACAACC GAATGGGTTA CAACTGTTTT TAAGTGAAAT TGTGAGTGGC   88320

TCTGAAAAGA GCCTTTTCAA TGAGGAAGAA ACGGGCAGAC TTATGCCCTT TCCCCACGGA   88380

TGCGACGTGC CAGCTGGATA TCTTTGGGCA TGATGGTGAC GCGTTAGCG TGAATAGCGC   88440

ACAGATTGGT GTCTTCGAAG AGTCCCACCA GGTAGGCCTC GCAAGCCTCC TGCAGCGCCA   88500

TCACCGCAGA GCTCTGGAAA CGCAGGTCGG TTTTGAAGTC CTGGGCGATT CTCGCACCA   88560

GGCGCTGGAA CGGCAGCTTC CGGATCAGCA GCTCGGTGGA CTTCTGGTAG CGACGGATTT   88620

CGCGCAAGGC CACGGTGCCC GGGCGGTAGC GATGAGGTTT CTTCACGCCA CCGGTGGCCG   88680
```

GAGCGCTCTT ACGGGCTGCT TTAGTAGCAA GCTGCTTGCG CGGAGCTTTG CCGCCGGTAG   88740

ACTTGCGAGC TGTTTGCTTC GTACGAGCCA TTTGCAATGA GAGCACACAC AAAAGTGTAG   88800

TGAACTGAGA GCAAGTGGCC TTTAAATATA GTGAGAAACA TTCTGATTGG TCCTGTAATA   88860

TTTCAAAAGT CCCGCGCGAT AAAATCATTG GCTGAAGAGT GACCAGACTG ATTGGTTCAT   88920

TACTAGACAA TCTTATTGGA TGAGTTGCCC CACCGCCCAT CCTGTCCTTT TCGTTTCAGT   88980

TATCTGCAGC GACAAATTGT CTAAAATTCT AGTTCATCCA GTCCCAAAGA ACAGAGTGTA   89040

TAACAAGGTA TCTAAGGATT TTTAAAATGT AAATTCCGAT TCAGTAAGTT TGAGTGGGAC   89100

TTGAAATTCT GCATTCCTGA CAGTCTCGCA AGTTATCAAT GCTGGTGAAC ACTCACTAAA   89160

CCACCAGAAA CGTTCAGACT CATGTCGGGA AATAACGCTT ATATTCAGAG AATGAGATTC   89220

CATGCTATTT TGTTACTGGC GAACAGCAAG TTTCCTTGCC CTTTGTTTTC TAAGTCCAAG   89280

TCACATTCCC ACCCTGCCTG TTCTCAAAAT GTCTTATTTT GGTTGGCCTT AAGTTTCACT   89340

TTGTATACTC TAAAATGTAC TTTCTAAAGG AAGGTGTTAT TTTCTCGAAA CTTAACTTTT   89400

TAACACCATT AGGCTAGGGG GGCGGTGGCT CACGCCTGTA ATCCCAGCAT TTTGGGAGGG   89460

CGAGATGGGA CGATCACTAG AGGCCAGGAG TTCAAGACAA CCCTGGCTAA AATGGTGAAA   89520

CCCCGTCTCG CATAAAAATA CAAAAACTAG CTGGGCGCGG TAGCAGACGC CTGTAATCCC   89580

AAGTACACAG GAGGCTGTGG CATGAGAACC GCGTGAAGCG GCGGGGTGGA GGTTGCAGTA   89640

AGCCGATATC GCGCCGCTGC ACTCCAGCCT GGGTGACAGA GCTAGACTGT CTCAAAACAA   89700

ACCAATCCAA ACGAAAAGCA AAAAATACCC TAACAGAAGC AAGTTATCAT CCTTTCTTGT   89760

GTAACTATGG ACGGCTCTGA AAAATGCCGT TTCAAGTGTA AGCTACGTTT TCTGATTTGA   89820

GTGTTTACTT GACCTTGGCC TTATCGTGGC TCTGTTATTT TGGCAACAGG ACGGCCTGAA   89880

TATTGGACAG GACGCCTCCC TGAGCAATAG TGACGTTGCC CAGCTGCTTG TTGACCTCCT   89940

CGTCGTTTCG GATGGCCAGC TGCAGGTGGC GGGGGATGAT GCTGCGGGTC TTGTCACGTA   90000

TGGCGCTGCC CACCAGTTCT AAGATCTCGG CGGCCAGGTA CTGTAAGTAC ACTGGCGCAC   90060

CGGCTCCGAC CGGCTCAAAA TAATTGCCCT TTCGAAAAG ATGACGGACT CTGCCCTATT   90120

GGGAACTGCA AGCCCGGTAG CGACGAACAA GTTTTTGCTT TAGCTCCATT TTCCACGTCC   90180

GCAAATAGCG ACCTATGAAA GCAGCGGAAA ACTGTGAAAG ACAAGCAAGC TGGAATGGCG   90240

CCTGAACAAA TCCTTTTATA CAAACTGCAA GGCTGCAATA GGAAGCTATC CTATTGGTCA   90300

ATTATGTTTG GTGCTTTATC CAATAGAAAA AGATAACATA AATTCCATAT TTGCATAAAC   90360

CCCACCCCTC AGTGAAACCG TGTTTCTTTT GTCCAATCAG AAGTGAGGAA TCTTAAACCG 90420

TCATTTGAAT CTCAGGACTA TAAATACATG GGCTCTGAAC TGTTCTCTGT ACTACTCTGT 90480

AGTGGAGAGT GTTAGTAGCT TTTCTATTCT GTTTAGGAAT AGCAATGCCT GAACCCTCTA 90540

AGTCTGCTCC AGCCCCTAAA AAGGGTTCTA AGAAGGCTAT CACTAAGGCG CAGAAGAAGG 90600

ATGGTAAGAA GCGTAAGCGC AGCCGCAAGG AGAGCTATTC TATCTATGTG TACAAGGTTC 90660

TGAAGCAGGT CCACCCCGAC ACCGGCATCT CATCCAAGGC CATGGGGATC ATGAATTCCT ·90720

TCGTCAACGA CATCTTCGAG CGCATCGCGG GCGAGGCTTC TCGCCTGGCT CACTACAATA 90780

AGCGCTCGAC CATCACCTCC AGGGAGATTC AGACGGCTGT GCGCCTGCTG CTGCCTGGGG 90840

AGCTGGCTAA GCATGCTGTG TCCGAGGGCA CTAAGGCAGT TACCAAGTAC ACTAGCTCTA 90900

AATAAGTGCT TATGTAAGCA CTTCCAAACC CAAAGGCTCT TTTCAGAGCC ACCTACTTTG 90960

TCACAAGGAG AGCTATAACC ACAATTTCTT AAGGTGGTGC TGCTGCTATT CTGTTTCAGT 91020

TCTAGAGGAT CAACTGGAAT GTTAGCGAAG ACAAGTTTTA GAGCCAAGGT TAACTTGGAC 91080

GGGGCCGTGC GCGGTGCCTC TTGCCTTTAA TCCCGGCAAT TTGGGAGGCC GAGGCGGGCG 91140

GATCACTTGA GGTCGGGAGT TCGAGACTAG CCCGGCCAAC ATGGCGAAAG CCCGTCTCTA 91200

CTAAAATACA AATGATAGAC GGTCGTGATG GCGCTCTTTC TCATCTGTCT TAGCAAACTT 91260

CTTTGTTCCC CCTGGGTAAG CCTTCGGGTA CTATGTATAA TTCCTTTGAT AAGGTCACTA 91320

CTCCCTCCCT GGTCTAGTAC AGGAAACTTC CCTTTCTGGA TAATGAAGCA GGTAATGGAA 91380

TTCAGGGTAT AGTGTTCCTG TGGGGGTCAT TAGCCGTTAA CTTCTTGTGA GATGCGGGGG 91440

AGGGGAGCAG AAAAGTCTAA GCGACAAAAG GGCATGTAGG GATATTTGCT CCTGCAGCTT 91500

GCCTATGCTG TAAATTCTTA CTTCAAGTAT TGAGGAAACA ATAAGCGAAG TCTGATTTCC 91560

CGGGCGCCTT TATACGGAAT ATTTCCCGCT CCACAAAATG AAATCGCAGT AGTTTTGAGT 91620

TATAATTGTT TATCAATGAC AACAGCTATG TAGTTTACAT ATTTCATGCA TCCCAGAAAT 91680

CCAGATTCCC ATTTCCTAAG CCACTTAACG TTCTGATTTC CAGCTCTGCG AGATACAAAA 91740

GGGTTTGGAT TTTGTGCCCT TCCCCATCTG GCGCCACTGC AAAGCTTACT AGGAGGGCCC 91800

CACTTGGAGA GGGAAATCTT TTTCGAGAAG TCCAGGACGC CAAAAACAAT ATAGCTAAAA 91860

AAAAAAAAAA AAAAAAGGCA GGAAGAGCAC TAGTTGAGGA GGAGGACTCA ATGGGCCAAT 91920

TCTGGGGCTG GGGCTGGGGG AAGAAATGCA AGAAGAAAAG ACACTTGTTG ACTGCACAGT 91980

AAGCAGGAGG GGGTGGGGGA ATCGGAGGGG AGTATTTTCA GCGAATTTAT GGGCATTATA 92040

-233-

```
TGTAGGTGAC ATACAGCAGT GTCTTTGGAT GAAGAAATAA AGTTTCTCAA ACAGTTCTTG   92100

TTTTTGTTTT GAGAAAGGGC CTTTCTCTGT CGGCCAGGCG CCATCATAGC TCACTGCAAC   92160

CTCGACTTCC CCAGCTCAAG CGATCCTCTT ACTTCAGCCC CTTGAGTGGC TGGGACTAGA   92220

GAAATGCACC ACCATACCCA GTTAATTTTT TAATTTTTTG TGGAGGCAAA GGGTCTTACT   92280

TTGTTGCCCA GGCTGGTCAA GCGAACTCCT GGGCTCAAAT GATCCTCCCG CCTTGGCCTC   92340

CCAAAGTCCT GGGATTATAG GAATGAGTCA CCGCGCCCGG CCCAGATTTA ATTTTTAAGA   92400

ATCTTTTAAA AGAGGTTCTG GGCCGGGTGT GGTGCAGCTC ACGCCTGTAA TACCAGCATT   92460

TTGGGAGGCC AAGGTGGGAG GATCACTTGA GCCCAGGAGC TCAAGACCAG TCTGGGCAAC   92520

TTAGTGAGAC CTTTTGTCTC CACCAAAAAT TTAAAAAATT AACCAGGCCT GGTGGCACAT   92580

TTCTGTAGTC CCAAGTACTG GGGAGGCTGA AGTGGGAGGA TCATTGAGC CTGGAAGGTG   92640

GAGGTTGCAG TAAGCTGTGA CGGCACAACT GCACTCCAGT CTGGGTGAGG ACAGACCCTG   92700

TCTCAAAAAT AAAAAATAAA AAAAATCTG GATGCCACAC AAAATGTCAG TGAACAACTG   92760

TAAGTGAAGC ACTTCCCATC CTAGTACTGT ATATGCAAAC TGCCGTTGTG AAAGTGACGC   92820

TTGGCTTAAA AATCTACATT CTTTTTTTAA TTATAAAACT ACCACATCCC CCAAAAACAT   92880

TACTAAGGAA TTGAGGCTGC AGTTTAAGAA GCTGATATTT AGGATCTATC TCCGGAGAAG   92940

TGAGACCTGG TAATATAAGC ATTTTCAAAA TGAACTTTTG GGCCAGGTGA GGTGTGTCAT   93000

GCCTGTAATC CCAGCACTTT GGGAGACCTA GTCAGGCAGA TCACTTGAGC TCACAATTCG   93060

AGACCAGCCT GAGCAACATG GCGAAATCCA GTCTCTACAA AAAATTAGCA GGGCGTGGTG   93120

GCATATGCCT ATAGTTCCAG CTACTATAGA GGCTGAGGTG GGAGGATTAC TTGAGCCCGG   93180

GAGGCAGAGG TTGCAGCAAG CCAAGATCGC GCCGCCACAG CCTGAGCGAC AGAATGAGAT   93240

ATGCACCCAC GCCCTAAAAA AAAGCATGAC TCATTAAAAA AAAAAAATTT AGCCGGTCGC   93300

GGTGGCTCAC GCCTGTAATC CCAGCACTTT GGGAGGCCGA GGCGGGCGGA TCACGAGGTC   93360

AGGAGATGGA GACCATCCTG CTTAACACGA TGAAACCCCG TCTCTACTAA AAATACAAAA   93420

TAATTAGCTG GGCGTGATGG TGGGCGCCTG TAGTCCCAGC TACTCGGGAG GCTGAGGCAG   93480

GAGAATGGCG TGAACGCGGG AGGCGGAGCT TGCAGTGAGC CGAGATCGCG CCACGGCACT   93540

CCAGCCTGGG TGACAGAGCG AGACTCCGTC TCAAAAAAAA AAAAAAAAA AAAATTAAAA   93600

AAATATGAAG TTTTGAAGCA GAAATTATTT TGTCGTATGT TCTTTCATAA ATTTTTTGCC   93660

TGCCTGCCTT CTTCCTTTGT TACAGAACTC CAACACTTAC CCAAAGGTAG CTGTTGGGTC   93720
```

-234-

AGGGTTTCTG TACTATAGTC CCTTCTGTGG TGGCCAGAAA TATGTTACAG GAAAGAGGTC 93780

CCCATCCAGA CCCCAAGAGA GGGTTCTTGG ATCCCGCGCA AGAAAGAGTT CAGGGTGAGT 93840

CCGCAGTGCA AAGTAAATGC AAGTTACTA AGAAAGTAAA GTGGTGAAAC GACAACTACT 93900

CCATAGACAG AGCAGGACAT TCCCGAAAGT AAGAGGAGGA AGGCATCCAC CCTAGGTACA 93960

ATACTTGTAT ATATGGGGAG ATGTGCTCTG CTACAAGTTT GTGATAAAGG ATTAATTTTC 94020

TTAGTTACTA TATTTTGCAA GAATCAACAT TATTATCTTT AAACAAAATT AAGAATGCCT 94080

TTGTTCTCCA GATATAGGGA TATCTGGACA CTCCTAAGTC TGAGTCTGTT TAGTAAACAT 94140

TATTTATTTG TTCCCTTAAC CGTAAACATC TAGAAGCTAG GAATGACTGA CTTTCTGGGA 94200

ATGCAGCCCA GAAAGTCTCA GCCTCATTTT CCTAGCCCTC ACTCAAAATG GAGTTACTCT 94260

GGTTCAAGTA ACTCTGACAC TTTTCTTCTC TTTTTTTCTT CTTTTTTCCT TCCTTTATTT 94320

TTTATTTTTT ATTTTTGAAA TAAGAAATCA AGAATACTTG ATGTTTCATC TAAAACAATA 94380

CCCATAATTG ATAAGCCAAA ACAAAAACCT AGGTCTTCTA ACTCAAAACT AGGATGTTTT 94440

GCTGTCTCTG CTGATACTCG GCTGATCGTT AATAGGTAAT TAACAAACAA GCCTTGCTAT 94500

GTCCCCCTCA GTTTATTACC ATTAGATCAT ATGCCTACTG TCAATCATAT TAATCCACAA 94560

CTATGCATTT CACAAAACTT GCCATAAAAA TTCACAGGTT TCCCGCTTCC CTCGAGTTTT 94620

CATTTCCGAA GGGTCCCATG TAATATAAAA CTTATATTAA ATACATTTGT ATGCTTTTCT 94680

CTTGCTAATC TTTTTTTTTG TTTTTTGAGA CTGAGCCTTG CTCTGTCACC CAGGCTGGAG 94740

TGCAATGGCG CGATCTCGGC TCACTGCAAC CTCCGCTTCC CAGGTTCAAG CGATTCTACT 94800

GCCTCGCCCT CCCGAGTAGC TGGGACCACA GATACGTGCC ACCATGCCCC GCTAATTTTT 94860

GTATTTTTAG TAGAGACAGG GTTTCACCGT GTTGGCCAGG ATGTTCTCAA TCTCCTTACC 94920

TCGTGATCCG CCCGCCTCGT CCTGCCAAAG TGCTCGGATT ACAGACGTGA GCCACTGCAC 94980

CCGACCAATC TGTCTTTTTG TAGAGGGGCC TCAAGCATGA ACTTACTGAT GGGTGAGAAA 95040

AACAGAATTT TCTTTTCCCC TACAATATAA ACATTAATTG TAATGTTATC ATTCAGGACA 95100

TTTTGGTGAC CAATCTTACA GAAATTTTAT CTTGTGCAAG TCTATGCAAA CCAATATGTA 95160

AATCTTCTAT AAGTGAGATT GTATTTCACT TTTCTAGTAT CCTTTTAAAT TAATAAAAGA 95220

GATTCTAATG ATTATTTTCA TTACTGCATT TCATTGTAGG GAAGTAGATA ATTGCCCTTT 95280

ATTCACTGAC CTTCGCTTTT TAAAAATTTA AACCATGTTA CCATGAAAAT GCTTTTCAGT 95340

ATTTCTCTAC ACACAAGATT GCTGTAAGGG CAAAAATAGA GATAGGAATC ATGCATCCAT 95400

```
TGATATACAT ATTTTGATTT TTAATACATG TTACCAAGTT GCCTCCTGAA GGTCTGTTTA   95460

CACTCTCACC AACAGGGTGT TTTTTCCTGA CTTCCACAAA TGCTCTTGAA CAGTGGGTGT   95520

GTTAGTCTGT TCAAATTGCC GACATGAACA ATTAAATCTC ATTGTTGTTT TTATTTTTAA   95580

GACAATTATT GTTTGAGACT GCACATTTTG ATAATAACAT TTCTTCTATT ATGGTTTGAT   95640

TACTCATGAT TCTTGCCCAT TTTCTTTTGG GATGTTGCCT TATGTACATT ATTTTAAATA   95700

GATAGCTCCA TGTATTAAAA GATTATTAAG TTTGAGGGCT TATGATATGT CAGTTACATT   95760

TCTAAGATTT TTTTTTTTTT TTTTTGAGA CGGAGTTTCA CACTTGTTGC CCAGGCTGGA   95820

GTGCAATGGT GCGATCTCGG CTCACCGCAA CCTCCGCCTC CAGGGTTCAA GCAATTCTCC   95880

TGCCTCAGCC TCCCCAGTAA TTGGGACTAC TGGCAAGCGC CACCACGCCT GGCTAATTTT   95940

GTATTTTTAT TAGAGATGAG GTTTCTCCAT GTTGGTCAGA CTGGTCTCGA ACTGCCGACC   96000

TCAGGTGATC CACCCGCCTC GGCCTCCCAA AGTGCTGGGA TTACAGGTAT GAGCCACTGG   96060

GCCCGGCCAC ATTTCTAAAT TCTTTATAAG TATAAATTCA TTCAATCTTC ACCAAAACTC   96120

AATGAAGTGT GAGTACTATT ATTATCATTG TTTTACAGAT CAAAACAAGT AATACAGTCA   96180

CTTACTGAGT TCTATACACC TGGTAATTTT TTTGTTTCGT TGTTCTATCA ATTATTGGGG   96240

AAGGGGTGTT GAAATCTCTA CCTTTAAATC ATGTATGTGT CTATTTCTCC TTTCGGTTCT   96300

ATCAGGTTTT GCTACACATA TTTTGCAGTT CTGTTATTTG GTGCATATAC ATTTAGAATT   96360

GCTTGTTTTT CGTATTGGAT TGACCCTGTT ATCATTATGT AATATCCCTG TCTGTTCCTA   96420

GTAATTTTCT TTGCTCTGAA ATATACTTAT CTGATATATC ATCCAAAAGA CCACCAGGAT   96480

GGCTAAAGAG TAGAAAGGAG AGATTTACTG GCAATACTAA TTTGCAAGCC AGGAAGAGAT   96540

GGTCCCAGAA CCTGCCAAAA TTACTCTCTC TTTGGGGAGA AGGAGCAGGT TGGTTATTTT   96600

TATGCCTCAT AGGCTATATA TTACACAATA GAGTCATACA TATTTAGCAC GTTTGGGGGG   96660

ACAGCTATAT ATATTATGAG GGGTGCCAAG TGCATTCACA ATGGATAAAC ACGTGTAATA   96720

TACCTCCCAT GTTCACTTCG AGGTTAAATT TTGGTTAAAA TGAGGTAGAA TTTAGGTCTT   96780

TACATCACAA GGTGAACTAT AGGAACAAAG TTTACGTGCT GCCTCTAGCA GCTGGCTGAA   96840

AATGGCTTAA GGTCTACAAT TACGTGTAAG AATAGAATGT GTGTCAAGGC GGTCCTCTGT   96900

CCAATCAGAG TTGTAGTGGA CTGGACTGTA AATCAGAGTT AGGAGGGCTT CTGATAGCTC   96960

CTATAGTTAA GGAATTTAGC AAGTGTGAGT TTTTTGGTAG TCTTTGGAAT TTAGGAATTT   97020

GCCATGCCAG CCAAGCCATG AATGCTCTAC CAGTAGGTAA CTTTGTTTGC TTAATCTTAG   97080
```

```
AGTCTGTCTT AGTTGGTATA GGGGCATCTA TTTTGGTCTT TCAGATCCCA GATATTATTA  97140

ATACAGATAC TCTTGCAGTT TTGGGCTGAT GTTTATATGG CTTATCTTTT TTGCAGCCTT  97200

TAATTTCAAC CTGCGTTATG TTTATATTTG AAGTGAGATT CTTGCAGACA GTGTACAGTT  97260

GTTGTTTTTT TTTTTTTTGA GATGGAATTT CACTCTTGTT GTCCAGGCTG GGGTGCAGTG  97320

GCACAGTCTC AGCTCACTGC AACCTCCGCC TCCTGGGTTC AAGGGATTCT CCTGCCTCAG  97380

CCTCTTGAGC AGCTGGGATT GCAGCCATGC GCCACCACAC CCGGCTAATT TTTGTATTTT  97440

TAGTAGAGAC AGGATTCACC ATGTTGCCCA GGCTGGTCTC GAACTCCTGA CCTCAAGTGA  97500

TCCGCCAGCC TCGGCCTACC AAAGTGCTGG GATTACAGGT GTGAGACCTC GCGCCCAGCC  97560

AAACTGTTTT TTTATGGGTG TATTTATACC ACACACATTT AATGCAATTA TTGATATCTT  97620

AGGGCTTAAG TTCATGAAGG GTAGTGTGGG AACCATAGTC TCTTGGCCCA CTAAATGTTT  97680

GCCAGAAATC ACTGACAAGG CAGATTGATT AATAGGTGAA AAGGCATTTT ACCTATTGTT  97740

TAACGTGTCT ATGTGGGAGC ATTCAGAATT AATTACCTAA CTTCCCAATG AGTTATAGAT  97800

GCTTATATAC CATTTTTAGA TCACAGAAAG AATTGGGGCT TAGATTCTGG TAAAACAGGT  97860

TATGGGAGGC AAAAGAGGTT TGGCTTGCAA AGGTGGCCTT GTTAGGTAGG TGAAGCCTCC  97920

CTCAGAAAGA ACAGATGGTA AATGTTTCTT TTATGATTTT TAAGTGTCAG ACTCTCAGTC  97980

TCTCCTGGAT CTGGGGAAAG GTATAGAAAG GTGAGGAGGC ATGGCTGCAT TAATGGAGAT  98040

TCTCTACAGA TGTAAAATTT TTCCCATTTA AGGCAGCTTT GCAAGCCCAT TTCTGCCTGC  98100

TGGCCAAGCA GCAGCCATTT CAAAATATGT CAAAGAAATA TATTTGGGG TAAAATATTT  98160

TGATTTCCTT TAGACTGGTG GCCTTATAAG AAAAGGAAGA GACACCTGAG CTGACACACA  98220

TACCCTTGCT CTCTCAACAT GTTATGATGC AGTAAGAAGG CCCTCACCAG ATACTAATTC  98280

CATGCCCTTA GCTTCCCAGG TTCTAGAACA GTAGGAAATA AATTTCTTTT CTTTAAAGT  98340

TAGCCAGTCT GTGGTATTCT GTTATAGTAT CACAAAATGG ACTAAGTAAC TATATTATGA  98400

TCATCTTACA TGACTGATCC CTCCTACATC ATACACATAC ACAGGCCACA TTTGGAACAT  98460

TGTTAGAGGT TCCTCTACCC AGTACAAATG TACTACAAAT TATATATGTA TTTTTAAATT  98520

TTTGAGTATC TTCAATAGTA TATTTTCGTT AACTTTTGTA GTCAAAATGT CATTATAACA  98580

TGTATTCAAT ATGCATAATT ATTAGTCAGA TGTTTTACAT TCTTTCTTCA TACTAAGTGA  98640

TATGGTTTGG ATATTTGTCC CCTCTAAATC TCATGTTGAA ATGTAATCTC CAATGTTGGA  98700

AGTGAAGCCT GGTGAAAGGT TTTTGGATCG TGAGGGTGAA CCCCTCATGA AGCGCACTCT  98760
```

-237-

```
TCAGGGTAAT CAATGGGTTC TCACTTTGAG TTCACAAGAG ATCTGGTTCT TTAAAAGAGT  98820

GTGACACCTC CCCCATCTCT CTCGCTCAGC TCTCACCATA TGATATGCCT ACTCCCTCTT  98880

CACCTTCCAC CATGATTGGA AGTTCCTGA GGACTTGCCA GTAGCAGATG CCTGCACCAC  98940

ACCTCCTGTA CAGCCTGCAC AACCGTGAGC CAAAAAAAAT TACTTTTCTT TATAAATTAG  99000

TCAGTTTCAG GGATTCCCTT ATAGTAATGC AAGAACGAAC TAACACACTA AGTCTATTTC  99060

ATATTTACAG AATAGCTCAA TCTGAAGTAC CCTTTTTCAA CTTCACAGTA GCTACTTGTA  99120

GCTAGTGGGC ACTGATTTGG AGCGTGTTCA AGGGTGAATT GTATTATGCA ATTAACAGAT  99180

TTTTTTTATT GTTTTCGCAA ACCACGAGGC ATAGATTGTC TTACTTTCTC TGCTCCTGGT  99240

GTTGGAGTTG TTATTGGGAA ACAACTTATT TTCCTCTTAT ATTTATATGG AATAAATAAC  99300

CCCCAATATT TCCCTCCCCA ATATCTGCCT TTTGTATGTT TTTTGAAGGC AAGTGCCTAG  99360

AATTTACTGT TTTTGAAGCA CTTACTGAAA GGATTGCCAT CAAGTTGTTT TGCTAATAGT  99420

ACATGCCAGG CGCTTGTTGG TTTGCTTAAT TCAAGGTAAC TTGGATGAGA AGAAGAGTTT  99480

TTCTCATCCA TGGCTCAGTG GAGTATAGAT TACTGATATT GTGACTGGAT GTACTCCTGC  99540

TTTCTAGTCT GAGTTTTTGA AGCTACCCTT AATCTTGGTT TCAATTTTAT CTAGCCCTGT  99600

ACATATCCAA GGCTCTTTCC AAAATGGTCT ACGATTGTT TAGGAAGTTA GAATAGCTGT  99660

ACTTTCTGAA CCACGGTTCC TGACATTTTC TGGACTTCAA ACACATCCAG CATTTTATCG  99720

AAGTATTTAT CCTTCCTACT TGGCTGGCTT CTTCCTTGCC TTCAGGTCTG AATTCAAATG  99780

ACATTCTCCT GATGAAACTT TCCATCCTTA TTTCTATTCT TTTTTCTTAT CCCCTTTCTT  99840

TATTTTTCTC CACAGCACTC ATCACTTATC TCTACATTTT CATTATGTAT TTACCTTATT  99900

GTGCACCTCC CACTACAAGA CAAGTAGCAC CGTAAGGAAA CAGGTTGTCT GCTTTTTCAC  99960

TGCTATGCTC CCTGCACCTA GAACACTCTC TGGCACTTAG CAGGTTTTCA GTAAATATAT 100020

GCTGAACTAA TAATGCTGGA TATACATCTC CCTCATGAAC TCTCTAAATC CTTCTAATTT 100080

ACATTGATCA ATCTTCTTTT CCATGTGCTT TTGTATGATT TATTGCTCAA AATCTTTATT 100140

TTGTATGCAG AACGTGCACT GCTATTTAAT CTTCATGTAC GTAAGTCCTC CCTTCTCTGA 100200

GTATAATCTC TTCAGGGCAC TATCTGAGAT AACTTTTTAA CATCTCCATC ATGAATCTTG 100260

TACCTTTTCA AAGAAAATGA GCCAGTGATT ACTGATGTTT ACGGCTATTG TTGAGGGTGA 100320

AGATCATTAT AATTTTGAAA AGGGAAGTTG AATATTGTGA AGGGAAAGAT AACACTAGAG 100380

TCAGAAGACT TGGGAGAAGG CAAAAAACAA ACTAAAAATG AGCACTTTTA GTCTCCTGAC 100440
```

```
AGTTTCTCTG AATCAAATCC ATAGTTCTGT GACAGCGTTG GCTTAGAAGC AGATTTTTTT 100500

TTTTTTTTTT TTGAAATGGA GTTTCGCTCT TGCCCAGGCT GGAGTGCAGT GGCACGATCT 100560

CGGCTCACTG CAACCTCTGT CTCCAGGGTT CAAGCGATTC TCCTGCTTCA GCCTATGGAG 100620

TAGCTGGGAT TACAGGCTCC CACAACCACG CCCAGCTAAT TTTTTGTATT TTTAGTGAAG 100680

ACTGGGGTTT CACCATGTTG GCCAGGCTGG TTACGAACTC CTGTTCTCAA GTGATCTGCC 100740

CGCCTTGGCC TCCCAAAGTG TTGGGATTAC AGGCATCAGC CACCGTGCCC AGCCAGGAGC 100800

AGATTTTTTT ACACTCATGT TTCTTTTTCC TTCTGTCATC CTGTTTCAGT ATAAGCAGAC 100860

CACAGATAGA AGTAGTAGAT ACCTCAGAAA TTCCTGGAAT AATTAATCCA CGTTCATCTG 100920

TACTCCATCT GCTCCTATCT CATGGAATAT AAAAGGAAAA ACACCAAGAT TTCCCTAGGC 100980

AATCTGTCTT GATTTTAGGT TCCTCAACAG GAGAGCCAGA CAATGGCTGT AATAATATTG 101040

TCCCGGCCAA GGAAAAACTT CCCCTTTGCC CTCCCAAGGT TTATGGAAAA TTACTGGCAA 101100

AACACAGATT AACTGGAGAA AAGGCATATA TATTTATTTC ATCACAATTT TACAGGAGAT 101160

TTTAGAATTA AGACTGAAAG ATACAGGGGA AATTGCCCAT TTTTATGCTT AGGTTCAACA 101220

AGATAAACAG CTGTATAGGG TACGATCTAA TGCTAACAGA CTGAGTGGGG AAGCCCCGCA 101280

AGGCTTGTCT GTCAAGATTC TTCTTGACCT CTCAGTGCAG CATTTCTTCC TTCTGGTTAT 101340

AGGACAAGAC TCTCTTTTAG AATGGGGGGT CTTATGACCT ACAGGCAAAC AAGGTAGGTT 101400

AGAGTAATAT TTTTAGGTTT TATGGCTGGT TCTAGGGAAA AGGAGTTCTG GTTTGTATGG 101460

CCTACCTTGA GGAGGAATTC TGGTTTCTAT GGCTAGACTT TGGGGAGAAT GGGACTTACA 101520

GACAGGAAGG CAGAAGGTGG TCAGTGAAAC ACTTTTATAA TCATAATCCC ATTTTGAGTA 101580

TTTCTGTGTT ATGGAATGTT TGTTCTCTCA TTTCCTGAAA GATTCCAGAG ACTCCTCATT 101640

CAGTGTTGTG AAAAAGTTCA GGAAATGCAA CTCAAAAATG TGCCACTTTG TTACGCTGAT 101700

TTCTTTGAAC TGAGGGCACC TAGGAAACAG TAAATTCAAG GAAGGGCTTT CGCTGAACTC 101760

TAATCAAAAA TTTGAAAATT AAAAAAAAAT TCAAAAAGGA ATTTAGTTGT TAAGATTCAC 101820

TTCCCTGGGG AATCTCATCA ACCAGAGAAG ATTAACTGTA TCACAGGAGA GGAGACTGGT 101880

GGTTAACACC ATCTAAACAG ACTTTGTCAC AGCTGTCACC TATTCTTTGA AACACCCATT 101940

TATTTTTCTC CAAAATCATA TACTCTCCCC TAAGTTGCCT ACATCCCCCT TCTTTCTCCC 102000

TTATGAATCA AGAGAGCTTA TAAGCTTCTA CAGTTCACTG GGATTTGGGG TATTCGCTTT 102060

TCTTCCCTCC CACTCCCCCT CCCCTTTTTT TGTCTTTGAG ACACAGTCTT CTGGCTCTGT 102120
```

```
CGCCCACGCT GGAGTGTGGT GGCTCTATGT GAACTCACTG CAACCTCCTC CTCTCGGGTT 102180

CAAGCGATCC TCCCACCTCA GCTTCTCGAG TAACTGGAAC TACAGGCGTG CACTACCAAG 102240

CCCGGCTTTT TTTTTTTCTT TTTCTCCCCC GTTTCTTTTT TGGTTATTTT ACTGGAGACA 102300

GGGTTTCTCC ATGTTGTCCA CGCTGGTCTC GAACGCCTGA CCCGCCGTCC TCGGCCTCCC 102360

AAAGTGCTGG TATTACGGGC ATGAGCCACT GCGCCGATT TGAAGGACCT CTTAAATATC 102420

TATTTAGAAA TTGGTCGGAG TCCACTCCTT TCCAAAAACA TGAGTCACAA TCCGGGAAAA 102480

GCACGAGCGG CTGAAAGTCA AAATAACCAG AACAAAACCT CCACTCATGC TTAAAAAAGG 102540

TATTTTGACA AAATCCTAAT TCGGCCAATT ATTATTAGTA TTCAAGTCGA AGGCTCGTCA 102600

AGCCAGACTG GGGATTGGGT CAAACATAAA CCTTACACCA GACGGAAGGA TTACATGCAA 102660

ATGAAGGATG CAGATTCTGA TTTCCCATTG GGTATTTGAC ATTAGCCAAT GGGAGAATTC 102720

CTCACAGCCT ACCTCCAGTC AGTATAAATA CTTCTCTGCC TTGCGTTCTA ATGTAGTTTC 102780

ATTACATTTT CTTGTGGCGA TTTTCCCTTC TTATCAGAAG TAGTTATGTC TGGTCGCGGC 102840

AAACAAGGCG GTAAAGCTCG CGCCAAGGCT AAGACTCGGT CTTCTCGTGC AGGTTTGCAG 102900

TTTCCTGTGG GCCGAGTGCA CCGCCTGCTC CGCAAAGGCA ACTACTCCGA GCGCGTCGGG 102960

GCTGGCGCGC CGGTGTATCT CGCGGCGGTG CTTGAGTACC TGACCGCCGA GATCCTGGAG 103020

CTGGCGGGCA ATGCGGCCCG CGACAACAAG AAGACCCGCA TCATCCCGCG CCACCTGCAA 103080

TTGGCCATCC GCAATGACGA GGAGCTTAAT AAACTTTTGG GGCGTGTGAC CATCGCGCAG 103140

GGTGGCGTTT TGCCTAATAT TCAGGCGGTG CTGCTGCCTA AGAAAACTGA GAGCCATCAT 103200

AAGGCCAAGG GAAAGTGAAG AGTTAACGCT TCATGCACTG CTGTTTTTCT GTCAGCAGAC 103260

AAAATCAGCC TAACAGCAAA GGCTCTTTTC AGAGCCACCT ACGACTTCCA TTAAATGAGC 103320

TGTTGTGCTT TGGATTATGC CGCCCATAAA GATGTTTTTG AGGTGTTTTT AATGGCTTTG 103380

AGTGTGGCAC TTTTAGTAAT TTGTCCTGCA GAAATTAGAT CCATAGAAAC CTCAGGAATT 103440

CTAGGTATGT GGGAGAAGTG CCATGCAGCA CAAACATGT TTACAGGGGT GATTCGCGTT 103500

AAGTTTCACA CACAGCAGTT ACTACATTTT AGAGGAAGGA AATTATACCC ATGAGTGCAT 103560

TCCTAACTAT CTTGAATGGA AGTGTTAAAA CCCGCATGCC CCACACAAGT TTGAATATGT 103620

CATACCATTT GCTGTAGCAA TTAATGGCAT ACACAATTGA GAGCACACAC ATTACCACTG 103680

AACATTTGAG TATGTATTTC CCAAAATGAG CTTTTTTCCA GTTTGGGGAT GTTTTGCTTT 103740

GTTTTGGGGT GGAGTCTCCC TCTCGCCCAA GCTGGAGTGC AGCGGCGTGA TAACAGCTCA 103800
```

CTGTAACCTC GAACTCGGGC TCAAGCGATC CTCTTGACAG CCTTCTGAGT AGCTGGGATT 103860

ACAGGCGAGA GCCGCCACGC CCGGCTAAGA GCATTTTTCT AATTGCCCAC ACTTCTTATG 103920

CGACACCCAG AAAAATACAA TTTTAAATAA AGCGCATATG CAAATTTCCC TAATCGTCTC 103980

CAATATTCTC TGATTTCTTT TTTATATTTT AACTAGAAAC AATTGGAGGT TTCCGCGTTG 104040

CTTTGTGTGG TTGTAAATTT TAAGACTTCA GGAAACTTTT CCAGTACAAG ACTTGTCCAC 104100

AGTGGATATA GCAGCTAAGG GGTTAACAAA ATGACGTCAG AGTAGCTACG GTAATGGGCA 104160

GGAGCCTCTC TTAATCTGCA ACCAGGCACA GAGATGGACC AATCCAAGAA GGGCGCGGGG 104220

ATTTTTGAAT TTTCTTGGGT CCAATAGTTG GTGGTCTGAC TCTATAAAAG AAGAGTAGCT 104280

CTTTCCTTTC CTCCACAGAC GTCTCTGCAG GCAAGCTTTT CTGTGGTTTT GCCATGGCTC 104340

GTACTAAACA GACAGCTCGG AAATCCACCG GCGGTAAAGC GCCACGCAAG CAGCTGGCTA 104400

CCAAGGCTGC TCGCAAGAGC GCGCCGGCTA CCGGCGGCGT GAAAAAGCCT CACCGTTACC 104460

GCCCGGGCAC TGTGGCTCTG CGCGAGATCC GCCGCTACCA AAAGTCGACC GAGTTGCTGA 104520

TTCGGAAGCT GCCGTTCCAG CGCCTGGTGC GAGAAATCGC CCAAGACTTC AAGACCGATC 104580

TTCGCTTCCA GAGCTCTGCG GTGATGGCGC TGCAGGAGGC TTGTGAGGCC TACTTGGTAG 104640

GGCTCTTTGA GGACACAAAC CTTTGCGCCA TCCATGCTAA GCGAGTGACT ATTATGCCCA 104700

AAGACATCCA GCTCGCTCGC CGCATTCGCG GAGAAAGAGC GTAAATGTAA AGTTACTTTT 104760

TCATCAGTCT TAAAACCCAA AGGCTCTTTT CAGAGCCACC CACTTATTCC AACGAAAGTA 104820

GCTGTGATAA TTTTTTGTTG TCTTAACAGA ACAAATTTCT AAGGACCCCC CCGGAAAGCA 104880

TTAGACTATG GTCTTAAAGT TGATTAACAG AAATAACGGT TTGGTCAGTC TTGCAGTGTA 104940

GGTTATTTCT GACCTTATTA AGGTGCTATT TGGAGAGAAG CTGTGTAAGT CCACTATCAT 105000

TCAGGCCTCT AGCTTGCTAT GATTAGCATT TGTTTAAACA ACTTTGTAAG AGTAAGGGAA 105060

AAATCTGGTA AGTAGTTAAC TGGCGCTTAC TAGGCATTTT TGCAAAGCTT TGAAAAGATT 105120

AGAAAATTGT GTCTTGCGAG TTCCAGTGTC TTCCTCAAAA TGCTTAGGAA GATTTTCTCA 105180

GCTCAATACA TAGTCCCCTA GGTTTTCTCA TATATTATAT ATATATATAT ATATATATAT 105240

ATATATATAT ATATACTGTT AAATTCATTT GGCTGTTAAC ATTAACCTGA AATTTATTCT 105300

GGTGCAAAAT GTGAGGCAGG GATCTAACTG GCTCTCATTT TATCCATAGC TAGCTACCCA 105360

CTTTAAATCT GTCAGTCTGT CGACCAAGCA TAATTTAATC CCTTATATAT GAATTTTTAT 105420

ATGTGTGGCT TTGCTTGTAA ATAGTCTATC TGGTTGCATT GCTTTGTCTC CTCTAGGACT 105480

```
ATGCACCATG ACATGCCACA TTCTTTTTTT CAGTACTTCT TGCCTGTAGT TATTAAAATC 105540

TAGAATTTAC AAGTTTTAAC CATTTTCTTT CTGTTGATCT TGCTTTTCGG TTTTGGAGGT 105600

TGGGGATTGA GTACTGGAAG AAAATTTAGA GGGATGGGAA TACTGTACGC AAACAAAAGT 105660

AATATTTACT TTAAAATTTT TATATTTTGT ATTTTTTTAT CATATAGCTT TTACATCACA 105720

TTTTACAGAC TAACTTTAGA ACAACCACAG AATGTCCAAC ATTAAAACTA CTAATTCCAA 105780

AGACCTTGCC TCACATTCTT TTTTACAATA AATATTTTTT ACACCTAACA TTCTTTCTTG 105840

GCCTACATCT AGAATGTAAA CTGATGTACC ATACTAAAAT CGCCTGACCA ACTGTCAACA 105900

ACAACAAATC ACACACACAA AAGATCAAAT TTGAATTGCA TCGTTTACTT AAATTCATTT 105960

GTGTTCCAGC TTTTAATAAG GCAGTTTTTG GTTTATAAAG TAATATTTGC ATTTTAAAAA 106020

TTATGAAAAT GAATATGTCA GTTTGTTTTA TGATTCGTTT TTCTTGACTC TTATACAAGC 106080

GACTCTAACT GGCATAGACA TTTGTTATCC ACAGACAGTA TAGATATGTT AGAGATGCCA 106140

ATGGACTTGG TCTATGCCAA GGTGACTACT CACAAGCTCT GGGCCCAGCT GAAGGTCAAG 106200

TATTTTTTTT CCAGTTATAG ATGTGCTGGA TCTGATGTAT AGCGCTTGAC TTTTTATATT 106260

TTCTTTATCT GTAGGAAACA AATGTGTTGG AGGTACTGGG TCTGACGAAT AGCATAAAAG 106320

AATAAAGTTA CATTACTGTC TGAGGATCAG ATGGACAGGG GGTGGTAGCT CAGTCCAGCT 106380

ATTTTCCACT CCCTCACTTA CATTCTTTGC CCCCTCCTCA ACAGAACAAG GATTCTGCTG 106440

TAACTCTTCA TTGACAGTTG ATATTTAAAA ATTAACGAAT GGATGAAATT CTCATTTGTG 106500

AAAGAAAATT TATTGAGCAT TTTGTATTTG TGAGTAGTGC AAACATTTTA ATATTATATT 106560

AAGAATCTAT TGTTTTGTAT TAGAGGAGTA ATTAAGGAGA GATTGGAGAC AAAAAGGGGG 106620

TGTTGTTTGC AGAATATACC ATCCAAAAAT AGACCACTGT GGGATCAGGA TTCTTTTGAG 106680

CTAAAGGCAC TTCAAAAACA GCATTCAAGA AGGGAATTCT TCTAAACTTT TCTTTCTGAA 106740

AACAGGAGAT AAAAGTTCCA ATGTGAAAAA TGCTCTGCTT GTACCAGGTG AAAAGACATA 106800

TTCTTCAGCC CAGAGGCATA GATGAGATAA TTCTGCACAA ACACAGCAGG GAGTCATAGC 106860

CGAGAGACTT CTATACACAA ACAAACCTTG TTAAAATAAT CATATATTCC TTTAATCTCC 106920

TCATATGGTT TACTTTCCCA CAATTGCCTC TCTTTAACTT AATGTGAAAG CATTTAGCTT 106980

TTGCCATTTC TTTGGGGCTT CACTTTTTTA TGAGGGTTCT CCTGTCCCAT AAAATTTACA 107040

TTAAATACAT TTGTATGCTT TCATTCTGCT AATCTGTTTT ATGGCAAATG AATTATCAGG 107100

TCCAGCTGGA GACCCTAACA GAGTAGAGGT AAAATTTTGC CTCCCTACAA GATAGAGATT 107160
```

GTGTGCATTA AATGTTGTTT GTTCCCAGTT GTTCAGTTTG TCAGGCCTCT GAGCCGAAGC 107220

TAAGCCATCA TATCCCCTGT GAACTGCACG TATGCCTCTA GATGGCCTGA AGTAACTGAA 107280

GAAACACAAA AGAAGTGAAA ATGCCCTGTT CCTGCCTTAA CTGATGACAT TACCTTGTGA 107340

AATTCCTTCT CCTGGCTCAT CCTGACTCAA AAGCTCCCCC ACTGAGCACC TTGTGACCCC 107400

CACCCCTGCC AGCCAGAGAA CAACCCCCTT TGACTGTAAT TTTCCACTAT CTACCCAAAT 107460

CTTATAAAAC GGACCCACCC CATCTCCCTT CGCTGACTCT TTTCGGACTC AGCCCGCCTG 107520

CACCCAGGTA GAATAAACAG CCTTGTTGCT CACACAAACC CTGTTTGATG GTCTCTTCAC 107580

ACGGACGCGC CTGAAACAGT TTAACAGGGT TTTTCCTGCC CAGTCACAAC AAAGTGATGT 107640

TATGCTGCAG GCTGAAGTTT ACAGCTAATG CTGTTGAAGT CTAAAATCAG TTTTGGTTTG 107700

TTAGATTTGG GTGAGATGGC TAAGATTCTC AGAGAAAGAA GTCAAGTTTG GGGTGCATTT 107760

TTCAGACTTA AAAATTTAGC AGTAGCCCTT GCAGTTTTTC CAATAGAAGT GATTTACGAA 107820

TGTTTTCAGG AAATTTAAAA CAACAGTGAG AAGCGTGTAT GGAGAGTTGA ACTACACTCC 107880

AGACTTGGCT ATAGGAAAGC ACGAATGCTG CTATTGTATT GCACCTTGGA AAAGAGAACA 107940

AAGGAATATT TTCGGACAAT TTTAACATGT CACATATGAA AAGCTAAACG GAATCTGTCA 108000

ACACCTTGTA CGTTATTACA GGCTGTGATT TTAAAAAAAC AATCCTTACT AATACATACA 108060

TAGTTGCTGC TAGCAATATA GTGTTGGGAG TAAAAACACG AAAATGAGAG TTCAGGACAA 108120

TATCCCAACT CTGAGCAGAT TTTTTTAAGT AGTAACATCT AAAATTAAAC CATATTATGT 108180

AATATTTATT TCTTTTCCAC AGTCTCTTCT CATGCCTCGT TCACATTAGC TAATTAAAAG 108240

TCCCCTGAGT ATCATCATAA CCCGATTTAC AGATGAAGGC ACGGTTGCAA TGAGCTATCA 108300

CCCTCTTCTG AATGAGACAG TACAGTGTGA AGGATAGCAA AACTCCACTC CCATCCTCTT 108360

AGGGCTCTGG CTGGACCAGC AAATTAAATT AATGTAAAAT GGATTAACAG GAGAAAGGTA 108420

TATGCATTTA TTTAACACAG GTTTTACGTG ACACAGGTGC TCTCATAAGG TAATGAAAGC 108480

CCAAAAAAAG CAGTTAGCTA CTTATATAAT GAATTGGACA ATTAGTAAAA TGTAAAAATG 108540

CGCTAAAGCA AAGGGATTTA GGCTAGAATA TATAACTGTG TAGAGAAGCG CCCAGCAAGG 108600

GCTAGTGCAA GGTTTGTACA GAATTCTCTT GGCCTCAGCC TCCTATCCTT GAGAAGAATG 108660

TTGCTTTTTT TAAACTACAG TGAGAACATC TTTCATATGA GAATTTCACC TACTGCTTCT 108720

AAGAAACAGG TCAGCTTTCA AGAAAACATA AGGCCAGAGT GATCTTTTCA CGCCTGCTCT 108780

TTTAAGTACC TTTGAATAGT CAATATGTCT TCAAGCACTT GAAAGACTTA AAAAGTTTAC 108840

-243-

CACTCCGGCA TATTAGTGAA AGCCCTTAAT ATAAGCCCTT ATTAAAATTC TCAGTCGAGG 108900

GTATAAATTC AGATTCAAAT AGTAGTGTCG TAAACGGGAG GGAAAAACTA AAGGGATTAA 108960

AAAGTGAAAC TATTGTGTTC TCCCTCGCAG TCCTTAGGTC ACTGCCCCTC GAGGGGCGGA 109020

GCAAAAGTG AGGCAGCAAC GCCTCCTTAT CCTCGCTCCC GCTTTCAGTT CTCAATAAGG 109080

TCCGATGTTC GTGTATAAAT GCTCGTGGCT TGCTTTCTTT TCGCGTACCT GGTTTTTGTT 109140

GTCAGCTGGT TAGACATGTC TGGTCGCGGC AAAGGCGGTA AAGGTTTGGG TAAGGGAGGT 109200

GCTAAGCGTC ACCGAAAGT GCTGCGGGAT AACATCCAAG GCATCACCAA ACCGGCCATT 109260

CGGCGCCTTG CTAGGCGTGG TGGGGTTAAG CGAATTCCG GTTTGATTTA TGAGGAGACT 109320

CGTGGCGTTC TCAAGGTGTT TCTGGAGAAC GTGATCCGGG ACGCCGTGAC CTACACGGAG 109380

CACGCCAAGC GCAAGACTGT CACTGCCATG GATGTGGTTT ACGCGCTCAA GCGTCAAGGA 109440

CGCACTCTGT ACGGCTTCGG CGGTTAATCT TTTCGTCAGT TTTCTTCCAA TGGCCCTTTT 109500

TAGGGCCGCC CACTCCCTCT CAGAAAGAGC TGTGATTGTA TTCTTTCGGA TGGTAACATC 109560

TCAATGGCTT TACTCGGCTA TTCTGCCTAG TATGTAGAAC TATTATAAAC CAGTTGGGAG 109620

AGACCAGGTT GTTTGGTCTG AGTGGCTGCT AAAGCAGAAA TCAGCTAAGT AAACGAGGTC 109680

TCCGAGATAA GTGAGCTATA AACTTCAATG CTATAGTTTT GACATGTCAA GCAACTTAAC 109740

GTGCAGCGCG AGTCCGATAA ATGAGTAGCT CAGCTTTTTA GTTTTAAAAA CGAGTTGTGC 109800

GTTATTTGTA CGAGAGCCTA AGATGCTAGC TGCCTGGAAC TGAGTAGGTG GATTAAAATG 109860

GGTGTCAGGT CTGTTTTCCC AGGCGTATCT GACTTAACGT CAGCAAAAGC TGTACTTTTA 109920

GCTTCCCTGG TAACACCTGC CGTCCTTAAC CGCCCCCTGC CGGTAGCGCC AGAAGCCTTT 109980

ACTTCCATTT CTAGTTGAGC TTGGCGTCCT GCTGAGTGAC GTCACCTCCC CCTTCTGTGG 110040

AGTAGGACTG GCGGTTAAAG CTGCTTTGCT ATTTTCAGTC CTCAGGCTGG AGGCTCCCCT 110100

AAGCAGGCTG CCTACGCAGT TCGTAAATTC CCACTTAGTA GACTAAGGGA GTCTGTTTTA 110160

TAAATAAGGA CTCAAATTTC TTCTGACTCC GAGGTCCGTG GCAGCAGCTA TAAGATGGAA 110220

GCCCCCTCTG ATGTAAGATT CTCAGATGAC TTGCATCTTC ACTGTACCTG TCAACCCAAT 110280

AGTCTTCTAT TCCTGCCTTA AATTGTAAAT TCCAAAACTG ATTTAATTGT GAAAGTTTCA 110340

AACTGTACGA CCTAGGAAGT GTCAAAGTTA GGTGACCAGA TTTTTAGAAG TCAGCCAAAT 110400

ATTCAGCATC TTTGATTTAG TAACAAATAT ATTGATGGCT ACTTCAGCAA AAAAAATCAA 110460

CTTTGTTTTC TGGTTACTTT GCTAACAAGC TTCTCCTGAC AGGAGGATAT AGTGAATAGG 110520

-244-

CAGTTGAATA AGTGAGTTCG GGTGAGAGGT CTGAGCTGGA GATAAAAATG TGTGAGTCAT 110580

CAGCAGATAA ATAAATGCTG AGACCAGATG AGATGGCTAA AAACTGAAAC ATAATGTAGT 110640

GCAGCATTGT TTGTAATAGT AAATGAGTGG CAACTGTAAA GTTTTCATCA GAAAGGACTA 110700

GAGTGATCTA TACATCCATA AAATAGAGTA TTTCTCTACA CAGCCCTACT AAAGAATGAG 110760

AAAGCTGTAC TCCACTACAT ACTCTGGTGT ACTCTGGCTC AGTTCTTGGA CTCCTCTTTT 110820

CTTGGCTAAC TCAACTGGCC TCACCACTTA CATGCTCTGT GCTCTGTCAA ATAGTTTGTT 110880

CAACAGAACA CCACGGCCTA GCTGTAAGTG CCACGTTAAC TTCTAGCAAT GCCAAAGCCT 110940

GTGATAGTGG CAGCTTCGGG CTGTTTCTCA TTCCCGGGAT GCCTAACCAC CTCTCCAAAT 111000

TCTATCAGTT TGCTTCCACC CACTTCAAGC TTCAGAACGA AACATAGAGC TTAAGAAATA 111060

TAGGCCCGGC AAGGTGGCTC ACGCCTGTAA TCCCGGCACT TTGGAAAGCT GAGCCTGGTG 111120

GATCACCTGG GGTCAGGGGT TCGAGACCAG CCTGGCCAAT ATTGTGAAAC CCCGTCTCTA 111180

CTAAAAAAAA AAAAAAATTA GCTGGGCATG GTTGCGGGCG ACTGTAATCC AAGCTACTCG 111240

GGAGGGTGAG ACAGGAGAAT AGCTTGAACT CGGGAGGCAG AAGTTGCAGT GAGTTGAGAT 111300

CGCGCTATTA CACTTAGGCC TGGGAGACAA GAGTGAAACT GTGTCTCTAA ATAAGTGTTT 111360

GCAATTATAA ACCATCTCCC TGACCTTAAA TCTCTAGACT CATATACAAC TGCATATTTG 111420

ATGTATCTAA TTGAATAATG GGCATCTCGA ACTTGTCCAA AATATGTTTA TACGTAAACA 111480

CCAAGTCTGT TCTTCCTCTG ATATTTGTCA TGTCAATCAA TAGAACTCCA TTCTTCAAGC 111540

AGCTTGGGCC AGGAATTGTG CAATATTGTT TGTCCTGAGC TTCTTACAAC TTTCACCCAA 111600

TGCAGTCAGC TCTGTTGAAA ATCAATCAGA ATACCTTTCA TTGTTTTCTT TGCTGCTTCT 111660

CTAGGAGCAA GCTGCCATGG CGGTTTGTCT GAATGACCAC AGTGACCCCA AACTGGTCTT 111720

TGTTTTCACT TTTAATCCCC CTGTCATACA GTTTTTCTCT ATCCAGCATC AACAGTGATC 111780

CTTTTTGAAG GTATTATGTC CACTGTCTGC TGAAAGATT CCACTGGCTT TCCATCACCT 111840

TCATAATAAA AACCAGCATC CTTATCATAG CCTACAAGTA AGATGACCAA CCATTACAGT 111900

TTGCCTGACT CTCAGGGGTT TCTCAGGGTG TAAGACTTAC AGTGCTGAAA CTTAGAAAGT 111960

TCCAAGCAAA CTAGGATGAG CTGCTCAACC TACTAGATCT GTACTCTGGC TACCCTCTGA 112020

CCTCATTCTC TTCGCAGTTC TTTCTCTTCA CTGACCTTGC TGTTTCTGGA ATGGACCAAG 112080

CATTTCCAGC ATCAGCACCT TTATATCTAT TCTTTCTCCC TAGAAGGGTC TTGTCCTGGA 112140

TATCTGAATG GCTCTAGATC TCATTTCATT CAAGCCTCTC CTCAAATACC AACCTTAAGA 112200

AAGAGACCTC CCATAATCAT CCCTTGTAAA ATAAGCTTTT CTGCTCATTT AGCATATATA 112260

TATATAGTTG ACTATCCTCA ATAGCATATA TATATAACAT TTCCCCACCT AGAATTATAT 112320

ATGTAATAAT ATATTTAACA AAAAATACAT ATAACTAGAT ATATTTATT TTGTGTTTGT 112380

TCTCTCTCCC CCAACTGGAA TATATTTTTT GAAGGTAGGG ACTTTGTTTT GTCCCAGAAG 112440

TATCCCTAGC ACCTTGAACA GGGCTGACGT TTAACAGGTA GTTTATGGAG GTTTGTTGAA 112500

TGAAAGGATG TGTGAATTTT CTATGTAAGT CTCCAGGCTC TCCACTAAGC CCACCAGAAT 112560

GCTAACACAA TCAATTCCCC ATCTCATTCC TTGACCTGCC ACTGCCTGAA GCAATCAGCG 112620

TGCAGTTTCT CTTTAGAAAA TCTGGGGGAT AGTCTAGGGG TTGCAAATTA AGCAACATTA 112680

TCTTTGTTCT GAACAAGGAC TGCATGAGTG TTAGGACTGA AGAAGGCCCA AGGTGGTGGT 112740

GGGTATGCCT AAGATGAGTA TGACATATCA GCAATGCTAT GAACATAGCA ATGCTATGAA 112800

AGGCCAGGCA AAACGTAACA GGAGCTAGTC GTGGCTTATT GTTACAACGA CTATACCTCC 112860

CATATGGGTA ATCGATATCC ACACACCCCT CTACATTGAC TCTGGAATTC AGGAAAGGGA 112920

ATTAAAATTT TCTAACTTAT GTACCCCAAT GATTTCAACA ATATCTGGCA TATGAGATCA 112980

ATAAATATCT TTAAAATACC AACTAAGAAA GACATAAAAT GACCCACCCT CCATACCAGG 113040

CTCATTTTTG CTCCTCTGAT TCCTGAAACT ATCCAGAATG CAGCTATGAA TTCTCTCCAT 113100

TGTCAGTTTT AAATTAAGCC AAGCTGGGTA CTTGTGTAAT TCCTCAAGAA ATCCTGGATG 113160

AAAACTGTCA GGTGGAAAAC AGGACCTCAA AATAAAGAGA CATCCATCAC TGAAGCTAAC 113220

ATCGTGAGGC TGAAATCAGT CCTATAACAA TGGTACCAAA AAGAGCACAA TGAGAGGCAT 113280

TTGTGAATAT TTACTCAGAT GAGAGTAAGA TATTTCCCTA TCAGCTAACC TGAAGTTCAC 113340

ATCCCTTTTC CAGCTGAGTT CTGAAGCTAG ATGTACTTAA CTGGAACACA TAACTGCATC 113400

AGGAACATCC TTTAAAACTA TGGCTACAAT GGCTTGACTG GACAAACCCC AGGCTTCCAG 113460

GTTTAGCACA GGTGGCCCTT CACAGACCAA CATTGCCTAT GCTACCAACC TCATGTCCTA 113520

CCACCCTGCT TGCATCATTT CTCTCTCTGC ATATATAAAA ATATATGTGT ATGTATATAA 113580

TCAGCTTTAT TGATATTTAA TATACCACAA AATTTGCCCA CTTTAGGTAC AGTTCAATGA 113640

ATTTTACCGT GTTTTCTTAG TTGTACAACC ATCATCACAA TTTAATTTCG GAATATTTCT 113700

ATCACCCAAA TTTCCATTTC TGCGTAAAGG GGGAAAAAAA AAGGTTAACT GCTGAAGGCC 113760

GCGGTAACAC TGAAAAAGGT GCCTTTTCTC TCTAAAACAG ATTTTAATCT CCCCTGAATT 113820

TAGTGTCCTG GGTATTCCAG GAGTCTGAAT AGGGTTTCAA TTTTCAGGGT CTTTTTAATA 113880

GAGTAAAACT GTATTGGTGG CGATAAATTT AGTATTGCTC TCAGTACATG ATTGAGGGAT 113940

ACTTAAATGT CTCTGTGATT TTATTTCATA ATCGCTAAAA GATGGTTTTT TTTTTTCCTA 114000

AAACAGGGTT TTTGTTTTTT CTCAATAAGC TTCTTAGCTT CCCCTCCGGC TCCCTGGCTT 114060

GCCTCAGGAA ATATTAGCTC ATCAGTTCTG ATTGGTTGAC AGCTACGAAT GGCCCTCATT 114120

GATTGGGCAG CGCTTCTTTG TCCCTTGGAA ACTAATACAA ATTTTTAACA CTACTTTTTT 114180

TCCACTCTTT CTTCAGAGTT GGAATATCGT TGCTCCCCTA CCCATATGTA GTGAGTGGAG 114240

GGCAAACTTG GAGTTCCCCT AATCTTTCCT TTTTAGGATG TCAGCTCAGT ATCATTCATC 114300

TTAATTACAC ATTGAGCTTC TTGACTTAAT GGATACAGCT CTTCTTTTGT TTAGTTGGGC 114360

GGCCCTGAAA AGGGCCTTTG GTTCAGAAAT GCAAGCTGTG GAGAAATCAG CAACCTTAAC 114420

CGCCAAAGCC ATAAAGGGTG CGTCCCTGGC GCTTAAGCGC GTAGACCACG TCCATGGCAG 114480

TGACTGTCTT GCGCTTGGCG TGCTCCGTAT AGGTGACAGC GTCACGGATC ACGTTCTCCA 114540

AAAACACCTT GAGCACCCCG CGAGTCTCCT CGTAGATCAG ACCAGAGATC CGCTTCACAC 114600

CGCCACGCCG GGCCAGACGC CGGATGGCCG GCTTGGTGAT GCCCTGGATG TTGTCACGCA 114660

ACACCTTGCG GTGGCGCTTG GCACCCCCCT TACCCAAACC CTTCCCGCCC TTACCACGTC 114720

CAGACATGAC TTCCCAAGAA GTGAACCAAG AGCAAGTGAG AGAATAGGAA ACCGATCTTT 114780

ATATATCTAC GTTACCCCTG CCCCCACCTC CAGCGGACAC AGAGACTGAA AAGCGCGCAG 114840

GCGGGAAATG TGACGCCTAC AGTCCGCTCC TTTAACCCCT CCTCCAAGCC CCAGGAAATG 114900

GCGGGAGCAG CGATTGGGGG AGGGTGGGGA GATGAGGGTG GGACCAAGCA GGCTTGACCA 114960

ATGGCCTTTA TTTTCTTAAC AGAGCTACAG GCTTTGAGGA ACTGGGTTAA GAATTAAATG 115020

TAAACCCATT CTGACTCCAG AATTATTTTA AGTCGAACTT TTTTTTTAAC CGAATCTCTC 115080

TGTCGCCCAG ACTGGAGTAC ATTAGAGCCA TCTCGATTCA CTGAAACCTC TGCCTCTCAG 115140

GTTCAAGTGT TTCTCCTGCC TCAGCCTTCA GAGTGTACCT GGGATTACAA GCGCTCGCCG 115200

TCGCGCCCGG CGTGTTTTTG TATTTTTCGT AGAGACGGGA TTCGGCCATG TTGGCCAGGC 115260

TGATCCCGAA CTCCTGATTT CTGGTAATCC GCCCGCCTCA GCCTCTTAAA GTGCTTGAAT 115320

TACAGGCGTG AGTCACCGCG ACCGGCCGAA ATCGATTGGT TTTGAAGCCT TCAGTAGCAT 115380

TAAAACGAAA AGTGCTCCCA ATGCATTCCC TTTTGTCTTA AATTGGTTTC TTACAGCTAC 115440

TTTACTTGAA AAGGTGGTGG CTCTGAAAAG AGCCTTTGCT TGGACCGTCA GAGAGACCAC 115500

AGTAATCACG CCCTCTCTCC GCGGATGCGG CGGGCGAGCT GGATGTCCTT GGGCATGATA 115560

GTGACGCGCT TGGCGTGGAT GGCGCACAGG TTAGTGTCCT CAAATAGCCC TACCAAGTAG 115620

GCCTCGCACG CCTCCTGCAG AGCCATCACA GCGGAGCTCT GGAAACGCAG GTCTGTTTTA 115680

AAGTCCTGCG CAATCTCGCG CACCAGGCGC TGGAAAGGTA GTTTACGAAT AAGCAGTTCA 115740

GTGGACTTCT GATAACGGCG GATCTCGCGC AGAGCCACGG TGCCCGGCCG GTAGCGGTGG 115800

GGCTTTTTCA CGCCGCCGGT GGCCGGAGCG CTTTTGCGGG CTGCCTTAGT GGCCAACTGT 115860

TTGCGTGGCG CCTTGCCACC AGTAGACTTC CGAGCAGTTT GCTTAGTGCG AGCCATGACG 115920

GAAAAACAGC ACAGCGGAAC ACCCAACACT AGCGCAAATA CGCCCATGAG CTGCTCTATT 115980

TATAGTGTGT AAAGTGCAGT GATTGGATGA TAGAAGACGC TAAATATGAC GTTACACACT 116040

CTGATTGGTC TATCTTTAAG CCAGCAACAA TCGTGCAGTT TCACCGGCTA CTATATTCTA 116100

TTCCAACTCT ACAGATGATT ATTTAAGTGG TATTTTATTA CTACTATTAT TTTATTTTAC 116160

TTTTGCTTTG TTCCCCAAGC TGGTCTTAAA CTTGGGCTCA AAAGATCTTC CCGCCTCAGC 116220

ATCCAGAGTA GCTGGGATTA CAGGGGAGCC CCACTGCGCC GGCTTGGACT TTAATTTTTT 116280

AAACTTGTCC TCTTCTACAT CTGGTTTTCA TAACCTGAAG GCTGTGTTTA TTTTCCATAA 116340

AACAAGGCAT TGATTCCAAA GGTATTATAA TTCCCCAATT CCGTATAACC TTCAGCTCTT 116400

TAGGAAAAAA AAAAAAAAAA AAAAAGAGG GAATACTGCT CACCTCCTCT CCGGAAATGT 116460

ACCCTTTACG GGAATTTCTG AAACCTTTCA CAAGAATTGG ATTCCTTTGT AATGCTTTAA 116520

TTGACTTAGG AGTGTTATTG AAATCTACAA AGCATCTCAA ACATAGTAGG ATTACACTAT 116580

TACTCAGAAA CATTTTCTAT GAGACGTCTT TCTCTTGATT ATGCTCTTTG AATCCTAAAC 116640

TTGCAGCGTT CTGCAGCTTT TGTTTTCTAA AGCCTAGGTG TACTCTGCCA GTCACAAAAT 116700

GGCGTTTCTC CAGCACTGCC GCCAGGTACC ACCAGCTGGG AGTTGTTCCT CTTGCGGAGC 116760

AGGAGGTGGA CTTGGCCCAA GAGAAACTGG ATAGTGGTTC GCAAGGAACA TAATTTAGCA 116820

TTGCCAAGAG CTAATGCAAT CATTTGAAA ATCTCAAAC ACTGAAAGT GGATTGTGAC 116880

CTTTTTAAAT TCACAAGAGA CAGGCCACAT TCTATCTTTT GATTGGTTTA GGCTATTTTC 116940

TTGAACAGCC ATTTAGAAAG CAGATCTATC ATCCTTCATT TGCATGGAGC GTTCCCATTT 117000

TATTTGAAAC CAGTTTAACC CAATAGAAAA AAGGGAGGCA GAACCCATTA TTTAAAGTGG 117060

AAACTCCTGA ATCAGATAAT TAGGAGTATT TCCTTTTCAA AAGTTGCGTT TTTTCAGATA 117120

CCTCGCTTAT TACACTAAGA AAGGTTTATA TCTTTCACAA AGGGTTTACT TACAAAAATC 117180

TTCCAATTTT GTATACCTGT GTTTCATAAC TGACTAGCCG TCAAACCAAG ATGTAGAGTT 117240

```
TCCAACCGTT ATTTTCCAAA TTTTTAGAAA TTACGTGAAA TATTTGAATG CATGCCTTCT 117300

CAATAAAATG GGACGTAGGA AGCACTGGTG CAGAAGATGG GTACAATACT TATCTGGGAC 117360

CACTCCATTA TTTGGTTGGC ACGTTGTTTG AAGAAAAGG GGAAAGCTC AGGTTACTTA 117420

GCATGGTTCG GACTTATTTG AAAACTACCA CAGCAGGAGC GGAAATAAGA CCGCATTACC 117480

TCACTCTCTG CTGTGCTGTG CTAGGGGGTT ATCCAGAATA GGATTGTAGA AGTGGATGTC 117540

GATTTAATAG TTTTTTATTC TCCCATTAGC TGAGTCTCTG ATTGGCAATG TGAGATCGTT 117600

TTAGCTTATT GATACTTTGA AATGCACTTA ACAGCCACAA ACAAGTTAAA GGGTTGTTAC 117660

CATAAAATCT TATCCCCAGG GTGTGCTTGC ATTTATCACC CGTGTTTGCT TTCACACTAA 117720

GTGGACTTAA CTCCCCAGCA GAATGCCTGT CAGGGAACCG GTTTCGTGGA CCCAGCATTT 117780

AACGCCTTTC GCAGGCTTGT GAGGCCCATA AATATTTGTT GAATAAAAGA ATGAGTTGAC 117840

CATGTCATGG TGCGCTGATT GCGTGTGCTG ACATGGAACA CAGGTTGTAA ACCTTAATAC 117900

CAATTTGGGG CATGTTGTAT GGATGAAAAG GGCATTGGAA ATTCCTGAAG TGCATCCCAC 117960

ATTGGACTGT GGAAATAAGT TGCAAGTGCA GAAACGTTTC CACACTTGCA GTTTGAGTAT 118020

TAATTGCAGC GTTTGTGAAT TCTGGTGTTG TCTACGATTC ATTCTTGTTT GACGTGAAAG 118080

GTATTCGCGA GACACATCGC TCTAAAACAT TGCCAGAAAA TGTAATAGAG TTGATGACAA 118140

CTGGCCCTAA CACGGCCTAA AACTCGCACT TTTCTCTCCC TCCGCAACTA TTCAAAACAC 118200

TGTATTTTAC ATTTCTTGCA AATTAAAAAC TAACATCTCT GGCAACGGAC CTCTAAAAAT 118260

TTCTAATAAA ACTCCTCGGA TGCTTGTGGC ACTGCATTTG TAAACCGCCC CCTCTCAACC 118320

TACTCCCTAA AAAAGAGCTG CTTTTTGAGA GAGAAGCGGT ACCCTCTGAT GTTACTGGGC 118380

GGCAGTCTGC CTACAATTTC CTTCACAATG AGGCAACCAG AGCGGCTTTT TCTGTGTGTT 118440

TGCTTGCGTT GAGGGGAGCA GGACCATAGG CCCTAGAGGC CCCCAGCTGC CTTCTGAGAC 118500

TGGGCGAAAC CCTCGGCAGC GCGCAGGGGG CGCTAGGGCG CGAGGGCGG GCACTGACGG 118560

GCACCAATCA CGGCGCAGTC CCACCCTATA AATAGGCTGC GTTGGGGCCT TTTTTTCGCA 118620

TCCTGCTTCG TCAGGTTTAT ACCACTTTAT TTGGTGTGCT GTGTTAGTCA CCATGTCTGA 118680

AACAGTGCCT CCCGCCCCCG CCGCTTCTGC TGCTCCTGAG AAACCTTTAG CTGGCAAGAA 118740

GGCAAAGAAA CCTGCTAAGG CTGCAGCAGC CTCCAAGAAA AAACCCGCTG GCCCTTCCGT 118800

GTCAGAGCTG ATCGTGCAGG CTGCTTCCTC CTCTAAGGAG CGTGGTGGTG TGTCGTTGGC 118860

AGCTCTTAAA AAGGCGCTGG CGGCCGCAGG CTACGACGTG GAGAAGAACA ACAGCCGCAT 118920
```

-249-

```
TAAGCTGGGC ATTAAGAGCC TGGTAAGCAA GGGAACGTTG GTGCAGACAA AGGGTACCGG 118980

AGCCTCGGGT TCCTTCAAGC TCAACAAGAA GGCGTCCTCC GTGGAAACCA AGCCCGGCGC 119040

CTCAAAGGTG GCTACAAAAA CTAAGGCAAC GGGTGCATCT AAAAAGCTCA AAAAGGCCAC 119100

GGGGGCTAGC AAAAAGAGCG TCAAGACTCC GAAAAAGGCT AAAAAGCCTG CGGCAACAAG 119160

GAAATCCTCC AAGAATCCAA AAAAACCCAA AACTGTAAAG CCCAAGAAAG TAGCTAAAAG 119220

CCCTGCTAAA GCTAAGGCTG TAAAACCCAA GGCGGCCAAG GCTAGGGTGA CGAAGCCAAA 119280

GACTGCCAAA CCCAAGAAAG CGGCACCCAA GAAAAAGTAA ATTCAGTTAG AAGTTTCTTC 119340

TAGTAACCCA ACGGCTCTTT TAAGAGCCAC CTACGCATTT CAGGAAAAGA GCTGTAGTAC 119400

ACAGATGAAA TCCCCCAAGC AAATGCAACA CGCCCTCAAT TATATTAGAA TCACTTGGAG 119460

AGTCGATAGA ACTTTAACAT AGCCTCATCT AGTAAGAATT TACTACTCAA TCTATCAAAG 119520

ATAGCAAGGT GAATTCAAAT GCACCGAGTT AAAATCGAGT TTTAAAGTCA CCTGGGTTTC 119580

GGTAGCCGGA AGTCCCGCGT CTCACGACTC CAAGCTAATT AGTCATAACC GTATTGAACC 119640

AAGGTTGAAG CCCAGTCCCA GGCTTGAGGC TTTTTATTAT ACAAGGTTAA AGTGGGGATA 119700

TTGCGTTTTG GGGTCAATAT TGCTAAAGTA GCATTTTCCG AAATTGGGTG GTCCTAAGAA 119760

ATGCTTCTGG GATAGTTGGC AAAATATATG GCTTAACCAC GCCCTCTCCA CAGGAGTGGC 119820

TAGCGAGCTG TCTGTCCTTG GGAAGGACGG TGACCCTGCT GGCGTGGCTG GCGCCCACGT 119880

TGGCGTCCTC TGAAAGCCCC GCCAGGTAGG CCTAGCTCGC TTGCTTTCTG CAGCGCCATC 119940

ATGACAAAGC TTTGAAACGC AAAATGCTTT CTTTGTGCAG CGCCTTACCA TGGGTGCACT 120000

TACGGGCTGT CGACTTGGTT TAGGCCCTTG TCAGGACAAA GGAGCTTAGT TTGTTGGAGT 120060

TTTAGAGCTG CAACCCAAAA TCCCTTGCTC GGTTTCTCTG TTTTTAGAAA CGGAAGCGCC 120120

CTGATTGGAT ATTTGAAAAT TACTGTGCTT AACTGGATCG TGTTTCATCA ATCGTGCAGG 120180

ATTTTCAACC CTGGTGGAGC CCACACATTC AAAACTGAAG ATCCTTTTCT CAGAACTGCC 120240

CCTTTAAGCT TTTGCAATTT TAATTCTGGG GGTCAGATTT TAATAATTGG ACTTTTTTGT 120300

TTACATCTGA CAAGAGTATA TGATGAGCCA AGTTACTCA CTTTTACTTA GTGCAGTTCA 120360

ATTCTAAAAG TTTATTTTTG CGTGTGTGCA TATGAGTTAA TAATCAGTTG TATTTTTCAA 120420

ACGGTCTTTT TTCAATTGTT TTGCTTAGCT CCTTCCATCG TCTAAAGTCA GGGATACAGG 120480

CACATCACAT CCCTGTTCCC CCTTCCTCAA ACTAATATGT AGCTACCTAG GTTTATCCTT 120540

TAAAACAAAA ATTCTCACCT ATTTTGTGA GAAATATACA TGTTTTTCTT TGAACTAAGT 120600
```

-250-

ATTTTACATA CACCTATCTA TATACATGCA TACTTGTGGT TTTGTTTTTT TAAAAAAAAA 120660

AAAAAAAAAA CACGTTATCT TTTGAGACTG GGTCTCAGTC TGTTGCCCAG ACTGGACTGC 120720

AGTGGCATAA TCACAGCACA CTGTAACCTC CAACTCCTGG GCTCAGGCTA TCCTGCAGCC 120780

TCAGCATCCG GAGTAGCTGG GATTGCATGC ACGCACCACC AAGCCGGGCT TTTTGTTTTT 120840

ATTTTTTGTG GAGACAGTCA CACCATGTTG TCCAAGCTGG TCTAGAAATG GCCTCAAGTG 120900

ATCATCGACC TCCCAAAGTG TTGGGATTAC GGTCACTGTG CCTGGCCTTG TATGCATAAT 120960

TGTTTTGTCT TTTGATTAGG GTTATTAATT TAAAAAACAA AGCCTGGACG CAGTGGCTCA 121020

CATCTGTAAT CCCAGCACTT TAGGAAGCCG GATGGGCAGA TTACTTGAGC TCAGGAGTTC 121080

AAGACCAGCC TGGGCAACAT GGTGAAATCC CATCTTGACA AAAAATACAA AAAATTAGCA 121140

AGGCCCAGTG GCACGCACTT ATAGTCCCAG CTACTTGGGA GGCTGGGGTG GGAAGATGAC 121200

TGGAACCTGG GAGGTAGAGG CTGCAGTGAG CAGAGATCGT GCCACTGCAC TCAAGCCTAG 121260

GTGACAGAAT GAGACCCAGT CTCAAAACAA AAATAATAAA AATTTTTTAC AACGATGTTA 121320

TATACACTTC TGCATGTTGC TTTTCTCTTA ACCAAACTTT TCTAAAACCC TGTCATGAAA 121380

AAAGAAATCC TTCACATGGA ATAGCATAAG TTATTCATCC ATTTCTTATT GATAAGCATT 121440

GATGTTTCCA GTTACCACTG CTGAACATGG TGCAATTGAA TAGAATTCCA GGGCTGAGAT 121500

TGCTAGGTTT TAGGTTGTAT TTTATTATTT TATTTATTTA TTTATTTATT TAGACAGAGT 121560

CTTACTCTGT CACCCATGGT GGAGTACAGT GCCATGACCT CAGTTGCAAC CTTTGCCTCC 121620

TGAGTTCAAG CGATTCTCAT GCCTCCGGTC TCCCGAGTAG CTGGGATTAC AGGCACCTGC 121680

CACCAGGCCT GGCTAATTTT TGTATTTTTA GGAGAGATGG GGTTTCACCA TGTTGGCCAG 121740

ACTGGTCTCA AACTCCTGGC CTCAAGTGAT CTGGCCACCT CGGCCTCCCG AAGTGCTGGG 121800

ATTACAGGTG TGAGCCATGG CTCCAGACCT GGACTTTGTC TTCTGTTTCA TCAGTCCTTC 121860

TGTTGGTTCA AGCACAGTAT CACACTGAAG ACTGATGATT CTATATAAAT ATGGTAAAGA 121920

CTGTACACCC TAACTGTTCT TATTTTTTAA TTTTAAGGCA ATTTTAGATT CCAGCTTTCC 121980

AAAGAATTGT GGAATGCTTA GAGCTAGAGA AGCCTTGGAA GTCATTTAGT TTTTGTTTTG 122040

TCAGAGAAAA TTCTGTAGAG ACTCTGTCCT GCTCTCACTG AATACCATCC CATAGTACCC 122100

CCCAACAGCT TTAAAGGGCA ATAATACCTT ATGGACAGTA TGCTTTTCCT CAAATATATT 122160

CTAAGCCATG GTCAATGCAA AAGAGTGAGA AGGAAAGTAG AATAAGTTAT CTAAGAATCA 122220

GTGGGTGCTC TCTTTAAACT GATTTATCAC TCCCCCTTCC AAACTCTCTT GAAGGTCACT 122280

CTGCCTCCCT TTCTACATAA GAACTCCTAA CTCCAAGGGA GGAAGGTAAG TTATTCTTAT 122340

TCCTTGCTTA GAAAAGAGA AAATAGGTTT GGTAAGCATC CGCTTTCTGC TACCATTCTC 122400

TGTGTTTCTG TGTTTTTTAT AGGATCATTC AATTATTGGT TGGCTCTTGA GAGGGAATGC 122460

AAGGTTCAAG GACACAAGCC TAGATCTTGC CTGTATAGAA CCTCATGATG TTATGCTTCT 122520

CTAAAATGAG GCCTGGAGGA GACATGTTGA AAGTGACCCA TAAATCTGCA GTATCTCATG 122580

TCTCTCAATG GGGACAAGGA GTACCATGGG AAATAGCATT AGGTCAATGA CAGTAACAAC 122640

TCCCAGGTGA GTTGATTTAT TCTTTTATTT ATAAAGTTGT TAATATGCTA CATAGTCCCT 122700

AATTTTGCCA CAAATAGTCA TTATTTTAAT TTCATATTTC ACTATTGATA AATGAAGGAA 122760

AAAATGAGTA GCAGTTAAGC AGTCCATAAA CCTACATATA AAGCAAATTG GAGATTTTAA 122820

AATTGATTCT GGATGCTTAA AATCCTTCTC ATTGAAAAAA AATTTCGTAT TAGAAGATTT 122880

CAACATTCTT TAAACTGAGA AGCATAACAT ATAAACAGAA AACCACAGCA AAACAAAAAT 122940

GCAAAGCTCA ATAAATGAAC ACAAAGTGAA CACCATAATA ATTGCCACAC AAGTAAAAAA 123000

ACAGAAAATC AGCCAACCCT CCCAGAGCTG CCTGATGCTT GCTTCCAGTC ACATTATCAC 123060

TCCATCTGCC CTAAACATAA CCCCTATTTT GATTCCAAT GCTGTAATTT AGTATGCCTG 123120

TTTTTGAAAC ATATAAAATG GAAATAAAAC AAATGTAATC CTATGTACCT GACATATTTC 123180

ACTCCAGAAC ATTAGGTTTG AATAGATTCA TCTGTGTTGC TGTGTATAAC TTTAATTCAT 123240

TTTTATTGTT ATGTAATATT CCATGTTATG AGTGCAACAA TTTAGGTGTC TACTGTTGAT 123300

GCATATTTGC TTCCCTTTTT CAGCTAATAT AAACAATACC GTGAATATTC CTGTGTATGT 123360

GTCTTGGTAT ATATAGGAAT ACATATTTTG TTTGTATACC TAGGAGAGGA ATTGTTGGGT 123420

CAAATGCTAA ACTCTTTTTG AAAGTGGTGA TATTAGGTTT ACATGCGATG AAATGAAAAT 123480

TAAAACCACA GTTATAAACA GCATGGATGA ACCTCACAAA CCTAATGTTG ATGGAATCTA 123540

GCTGGGAATT CCTGTTCTTC CATATACTTC CCAATATTTT TTTCCAATTA AAATTGTTAA 123600

TCTTTTGAAG ATGTTATCCA TTGTGGCAGA TGTGCAGTAT TATCTCATTA TGGTTTTATT 123660

TTACATCTTT TGCCCATTTT TTCTTAATTG GATTGTATAT CAGTCGACTT GGGCTGCCAT 123720

AACAAAAATA CTAGACTAGG TAGCTTGAAC AAAAGGAATT TATTACCTCA CAGTTCTAAA 123780

GGCCAGGCCA GAAATCCTAA ATTGAGGTGC CAAGAGATTC AGTTTCTAGT GAGGGCTCTC 123840

TTATTGACCT GAAGATAGTT GCTGTCTTAG ATTGTTTGGT GCTGAACAGA ATACCAGAGA 123900

CCAAATAATT TATAAAGAAT ACAGATTTAT TTCTTACAAT TCTGGTGGCT ATAAAGCCTA 123960

TGGTCGAGGG GCCCACCTCT GGCAAGGGCC TTCTTACTGT TATGGCAGAT GTGAGATGTC 124020

ATCTCATATT CAAACCACAG CAGTCGCCTT TTGTGTCCTC ATGTGGCCTC TTCATATGCC 124080

CATAAAATGA CCTCATGTCT CTTCCTTTTC TTATAAGGAC ACCAGATCTA TCAGACTACT 124140

GGCCTACTCT TATGACCTCA TTTAACCTTA AATATCTCCA TAAAGTCCCA AAATCCCTAT 124200

CTCCAAATAT AGGCACATTG GGTGTTAGAG TTTCAACATC AATTTTGGGG GAACACAATT 124260

TAGGCCAAAA AGATTGTGTT TTTTCTTGTT GGTTAAGAT AGCTGTCTTT TTGTCCTTTT 124320

TGTCCTTTCT TTTTTTTGA GGTGGACTCT TGCTGTGTCA CCCGGGTTGG AGTGCAGTGG 124380

CGCTGTCTCA GCTCACTGCA ACCTCCACCT CCTGGGTTCA AGAAATTCTC CTCCTCCCAA 124440

GTAGCTGGGA CTACAGGTGC ATACCACCGC GCCCTGCTAA TTTTTGTATT TTTGATAGAG 124500

ACGGGGTTTC ACCATGTTGG CCAGGCTGGT CTCAAACTCC TGACCTCAGG TGATCCACCT 124560

GCCTCGGCCT CCCAAAATGC TGAGATTACA GGTGTGAGCC ACCAAACCTG GCCTGTCTTT 124620

TCTGTTTTAA GTTTTTAAAT TTTGCTCACG AACCCTTTAT CCATTTTATG TGTTGCAGGT 124680

ATTTCCTCTG TAACTTGTCT TCACTCTGTC AGAGGCTGGA GTGCAGTGGC ACAATCACAG 124740

CTCACTGCAG CCTCCACCTC CCAGGATCAA GCGATCCTCC CATCTTATCC TCCTTAGTAG 124800

GTGGGACTAC ATGTGCAGGC CACCATGCCC AGCTAATCTT TGTATTTTTT TGTAGAGATG 124860

GTGCTGTTGC CCAAGTTGGT CTCAAACTCC TGAGCTCAAG CAATCCATCA ACCTTGGCCT 124920

CCCAAAGTGT TGGGACTAGA GGTGTGAGCC ACCACTGCAC CCAGCCAATG ATATCTCATG 124980

ATGCATTAAA GTCATTAATT TAGTGTACTC AAATTAAGCA CACTGCCCTT TTATGCACAA 125040

CCTTTTTTGT ATCTTATTTA AAAAATCATT TTCTATTTCA AGGTCATGAA GATCTTATTT 125100

TATAATACCT TCTTGTGAAA TTAGTTCTCA AGACTACCCT CACTTCTAAC ACCAATTATA 125160

AGTTGGGAGG TCTGTGGTTC CCAATCAACC TTAGGTTAGT AATTTGCTAA AAGGACTCAC 125220

AGAACTTGCT GAAGCTGTTA GCCTCATGGT TACAATTTAT TATAGGATAT ATAGCTTATT 125280

ATGTCATTCC AATGCAATGT AAAATTATAC AACTACTTTT AAAAGATTT TAGCATTTGA 125340

CCCAACAATT TCACTCTGAG GTATACAAAC AGCAGATATG TGTGCACATA TATACCAAGA 125400

CACATACACA GCAAAATTCA TTGTTTGTAA TAGTTGAAAA GGGGAAACAA CTCAAGGAAT 125460

AAAGATTAAA ATCAGCTGAG AAAAGAAACA CACAAGGCAG TATTATGGAT CGAATTGTAT 125520

GCAGATCTCC CTTGCCCCCA GAAGATATGT TTAAAGTCCC AACTCCCAGT ACCTCAGAAT 125580

TGTGGCCTTA TTTGGAAATA GGATAGTTGC AGATATAATT AGTTAAGATG AGGTTATAGT 125640

-253-

ACAGTATGAT GGGCTGGTGA CTTAGAAGAA GTAGTATATA TATATTTTTT AATAGAACTA 125700

GTATTCTTCT AAGGTGGTCA CGTGAAGACA GACACACACA GGCAGAGACT GCGGTTATGC 125760

AGCTGCAGGT CAAGGAATGT CAAAGGTTGC CAGCAAGTAC GAGAAGCTAG GAAGAGTCAA 125820

GGAAGGATTT TCCTACAGGC TTCAGTGGAA GCATAGATCT AATGATACCT TCATGTCAGA 125880

TTTCTAGCTT CCAGAACTAC AAGAGAATAT ATTTGTTGTT TTAAGCCACC CTAGCTTCTA 125940

GCTCTTTGTT ACAGCAGCCC TAGGAAACTA ATATAGGCAC AATCCAGGCA AGTTCCAAAT 126000

ATGAGCTTCC AGTTGTCCTC TCCCAGTAAT ATGAACAGTA TTACTTTCCC AGCATTAATG 126060

TGTGACAATA CACATGACGT ACAGAGCAGT CCCCACTTAT GCACAAAACA TATGTTCCAG 126120

GACCTCCAGT GGATGTCTGA AACCATGGAT AGTACTGAAC TCTATATAGC TGTTTTTTCC 126180

TATACAGACA CAGCTATGAT AAGGCTTAAT TTATAAATTA GGCACAGTAA GAGATTAATA 126240

ACAATAAATT AGAATAATTG TTAAGAATAT ACTGTATAAA AGTTAGGTGA ATGTTTATTT 126300

CTGAAATTTA CCGTTTATTA TTTTTGGACT GCAGTAGACC ACAGGAACTA AAACCATGTA 126360

GAAACCGTAT ACAAGAGAAC TGTATTTCAC CCGAGCCTCA GTGTGCAGTT TTAATGGCCT 126420

GCCATGGTTG ACTGCTCACA TGGCCGATCT TTTAGTCTAC CTCCACAGGT AGAGCTGATA 126480

CTGTGTGGCT CAAAGTTCCT ATTATAAATC ACATTGTTGA CTGTGTGGTG GTCAAAACCT 126540

CCAGGTAAAC AAAGACACAC TTATCAGTGA GAACATTTCA AGGGTCTAAA ATTCATCTCC 126600

CAGTAGCTGA GGGCAAAGGC TAGACCTCTT TTTGGGTAAG ATAAATTTTT TACCATATAC 126660

TTTATTTTGC TTTTCATGTT TAACTTTATT TTGCTTTTCA TGTTAGTTCC CCTGGAATTG 126720

TTTTTTGTGT ATAGTGTGAA GTAGGGGGTC AAGTTTCTTT TTTTTTCCTT TTTGTTCTTT 126780

TTCTGTTTAA AAGGCTATAC AATTGTCCCA TGCCATTTAT TTACAAGAGT CCTTTCACCA 126840

TTGTTGTATG GTGCCACTTT AGATGTAAAT CAATGTCCAT ATTTGTTTGA GCCTGTTCCA 126900

TTCGTTTGTC TATTTTTGGA CAACACTGCC CTGATTATTG TCATTTATC AGTTTTGATA 126960

TTTAATAAAG CAACAGATTT GTTTATTTTG GGCCCTTGGA TTTGTGTATT AAATTTGAAC 127020

CCTGTTTGTC AATTTCTATA ATAAAGCTTA TTGGGAATCT GATTAGGATT ACAATGGTTT 127080

TGTAGATCAG TTTGGGGACA ATTAATACCT TTAAAATATT GACCGCTTCA ACTGTAAATA 127140

TACTCCTCCA TTATTTAGTT TTCCTGTTTA ATTTATCTGA GTAATACATT ATAGTTTTCT 127200

TCGTAGAAGT CAGATACGTA GAAAATTCAA AGCCCAAGTG CAATAGCTCA TGTCTGTAAT 127260

ACCAGCACTT TGGGAGGCCG ATGTGGGTGG ATCACCTGAG GTCAGGAGTT TGAGACCAGA 127320

-254-

CTGGCCAACA TGGTGAAACC TCATCTCTAG TAAAAATACA AAAATTAGCT GGGTGTGGTG 127380

GCGGGCACCT GTAATCCCAG CTAATCAGGA GACTGAGGCA GGAGAATCGC TTGAACCCAG 127440

GAGGCAGAGG TTGCAGTGAG CCAAGTTCCT GTCACTGCAC CCCACCCTGG GCGACAGAGC 127500

GAGACTTCGT CTCAAAAAAA CAAAAAAAAG AACATTCAAA TAATCAATGT AGATAATTCA 127560

AATAACTAAA AAATGAACAG TTATTAAAAT ATCAGGATAT AAAAGCAAAA AAATCAATAA 127620

CCTCCATATA TACAAAATGG CCAGTTAGAG AAAAAAAAAA GAATAGGCGA GACTTAAAAA 127680

GGCTGGGAAT CTCCCTGAAA ATCTTTGAGA GCCTTGGCCC TGCCCTCAGG GATTTCTCTG 127740

GCTTCATGCC CAGATATGGG TACAGTTCCT TGTTTAAAAA AATTTTGCTC CATCAATCAA 127800

CAAGGGGCTC CTTCCTCAGA GCACAAGGAC CTCCATAACA CCGGACACTA GATGTCTAAG 127860

GGACACCTCT TAAGGAAGTT AGACTTCCAA AGAATGGTGT TTCCTCTGTC CCCAAACTCT 127920

GGAACTCACA GCACAACTGC TCCTTGGAGT TCGGTTTCAA ATCTACAAGG CTGTCATGGA 127980

GGTTGCAGAC CAAGTCCGTG GCCTCAGTGT CCGGATGTAC GGTGGCCTTG GCACCTGAAT 128040

GTGAGAACAT GACCTCCCTG AAACCACCAC AAGTATTGTT TCATGTTATG TATGTTTTTT 128100

CTTATCTGAA ATTCCTTTTC TTTAAAAATT CAAATTACAT ATTTTTCAAG CCCCTGAACA 128160

AGCTTCATGA GCATTTATTG AACCCACAGC TTTTAAAACC TACTGAACAC TTTGCTCTAT 128220

GTTGTCATTC ACTATCCACC AATTATTTAA TTATTGATCA ATATTGTTTC CTTAGTGTTG 128280

GGATCATTTA TGCATGTATT TCTTTTATAT TGCATATTTT ATATTCTGC ATTACAGTTA 128340

TTACATATTA CTTTTGCTAC AGTAATAGTT CAGAAGTGTA CATCCAAAAT TTAGCTGTGA 128400

AGTGGATGGA CTGAGGCAGA ACTGGAGGCA AGAAAATGTC ACAGTAATTC TAAAAAAGAT 128460

GATGTACAAT TAGAGCAAGA GAGTAGCACT GAAATTGAAG AAAAATAGAT GCGTTTGAGA 128520

GAAAATTAGG AGGTAGAATC AACAGATTAG ATGTAGGGAT GAGAAGGGTC AAAGATGACA 128580

CTAGGGTTTT TAACTGGAGC AAGTAGGTAG ACAGAACATT TCTTCCTGAA AGGGCAGGTC 128640

AGATCATGTG TTGTCTCAAA GGGCATGAAG AGTAGAAAGC CTGGGACAGA TCCTGAGATG 128700

ACCAATACCC ATGGTGCAGG GAGAGGGAGG GAGATCTGCT AAAAAGACTG CAAATGTCAG 128760

GATAGTAGAA AATCATGAGT GTGTGATGTC CTGGAAGTTG AGACAGTATC ACATTTGAGA 128820

ACATTTAAAT TGGTAACTCT GACAAAACCT GGAGGCCAAC TGTGAATGCC CATGAGAGTG 128880

AGAAGCTCCC ACACTTTTGT GGGCATCAGA AAGCCCACCA GGTTCCTGCA GTGAAGATCT 128940

GAGAAGGATC CTCTTGTGGC TTTGGCAGGG AGAGAAGAAT TATTATGAAA TACACCCCAG 129000

AACCTTCTTC AAAACAAAGG CCTACTCTCA AGGGGAAAAC ATTTTGCCAG AGTCTTATCC 129060

CAGCTGGGAG AAGGTAATTC TTCCCACTGC AGCCTCATCT AGGCTTTCTG TCTCACTTAA 129120

GGGAAGAAAA TTAGTCAACA GGGATCAGAG CTTCATGAAA ATAAATTGGA AATGGTGCAG 129180

CCAGGAAAGG AGCAAAGGTC TGAGGAGGAG GAGAAGGAGG AAGAGGAGTT GTATCATTAT 129240

AAATACTTGA GGAAGAGGAG GAGAAGGAGG AGGAGGAGGA GTTGTATCAT TATAAACACT 129300

TGAGGAAGAG GAGGAGGAGA AGGAGGAGGA GGAGTTGTAT CATTATAAAC ACTTGAGGAA 129360

GAGGAGGAGG AGAAGGAGGA GGAGGAGGAG TTGTATCATT ATAAACACTT GTGACGGTCC 129420

CAGCCCCAAG ATATAGGCAT GCTAATAAAC TGAGGCTTAA CACTTTGACT ACAGAATGCT 129480

GCTTCTCCCT AACACCATCA AGGCTCCAAC TGAATAACAA TGAATTATGA ATGAAAGAGC 129540

TGTAAGGAGA GACAAAAGTT AGAATGAGAC AAGTATTGTT ATCTAGAGAT GCCAAGAAGG 129600

CAAGGAAGAT AACTAAAAAG GCACTCTGGA TTTAGAAATA GGAAGTCATT AGTGACCTTG 129660

TAAATAATGG AGCCAGAGGA ATACCAAGGG CAGAAGCCTC ACTATAGTGT GTTGCACCTG 129720

TCAGAGGTCA GGAGGTGTAA CTGACTCTCC CACAGTGTGG CTTTGGAAGA GAGAAGTCAG 129780

CAGCTGCATG GAGATTTGGG AGAGGGAAAG CTTTTTTTTT TTTTTTTTAA TTGGAAAAGA 129840

CTGAGCTATG TGTAAATAGA ATAAGACAGG AAGAGTGTAG ACACAGGAAA GAGGGCAGAC 129900

AAAAACAAGT GCACAGTTAT CTAAGGGAAA CAATGGGATC AAGCTGCAAG TATATAAACT 129960

TGTCTTGATA GAAGAATCCT TGATCTGGTT TATTCAGTGT TTGGTCCAAA CCCACATCCC 130020

TGTTCTGCCT GTCTCTGACT TGCTCTGTGC CCCAGAAGCC CAGCTTCTAC AGATAGCATT 130080

AGCTGGGCAG CCCTGCCCTC TTGCAACAGC TGGATTTGGC CAGTGATCAG CCCAGCAGGA 130140

ATGTAGATGG CAAAGGAGAG AGAGGTTAGT GTACTTATTC CCTGCATCAC CCCCCTGCTT 130200

GGTGGGCAGC TCTTCCTCCA CAGTCCCAGC TCTGGCCTAG CTCTGGTTAC AGGTTCCCTC 130260

CCATTGCCTC TTCAGATTTA AAGGTGTGTC TGTCAGGGTA TAACTGGGAG CTAGAAATTG 130320

CACTGAAATT GAACAAAGAA TTTTATGGGA ATGGTTGTTA ACTAGTTATA AGAGGACTGA 130380

AAATGGAAAA GTGGAACAAA CGTATCAGAG ATAGTAATGA CAGAAAGCAA CTACCACCTC 130440

CAGGTTTAGG AGAACAAGGA AAAGATTCTT TGAAGAGATC CCCAGAACTG GGACCTCTGA 130500

GGAGTGTATG CTGGACCACT GATGATGATA TGTCTGTAGA TAGAGGCATG ATGAGGCTGA 130560

TTTTAGGAGC ATGGAAGATC TCCAAACTGA AGCCAACTGC TGTTACTGGA TTCAACTGCC 130620

ACTGCCAGGT TGAAGAACCC ATTCTGTGAG GATGTCAACA AACAAAGTGG GAAATCTTTT 130680

```
CACATCCTTC CAGCCCTCTA GTCTTCCTCC AGTGCTTTCT ATTGGTAGGG TTTGGGGAGG 130740

TGGCTAGCAA AGCGGTATTG GAAAAGATAG AAGAGACTAA ATCTTCATAA CCAGCACAGG 130800

GTGACACTGG ATCACTACTG TTGCTGATCT TGGGCTGCCT CATATCCCCT GTTCTTCCCA 130860

TTAGCCCTGT CACAACTTTG TAGATATCCC TTCATTATAT GCCCTTCATA TATTCTTTTG 130920

GTTTAACTTT TTCTGTTGGA ATCCTAATAT GGCACTCCTC CATTTTTCAG GACCAAAAGA 130980

GTATAAAAGA TTATCTTTTA CCAAAAAAAA GACAAAAAAC TGATCTAATT CCTGATTTGA 131040

TCATTACACA ATCTATACAT GTATCAAAAT ATCACATAGT ACCCCATAAA TATATACAAC 131100

TGTGTCCATT AAAAATAAAA ATTAAAGAAA AGATGGTAAA TATAGCTCTG TCAGGCAGTG 131160

GAGGTTTTAC CACGATGGCT GTTATTTCCC CCATGAAGGG GGGAGTGAGG GAGCAGCTGA 131220

AAGTAGGTGC TTATAGGGGT ATAGAGGGGC TCAAAGCTTT GAGAGAGGAG AATGTCTGAA 131280

AGAGCTGCCA AATAGCATGC AGGTCCCATG GGGGCAGAGC CTCTGCTCAT TCACCAGTGC 131340

CTCTTCAATA TCTACACTTA AGCCTAACAC AAAGTGTGTG CTTAATAAGT ATTTGCTGAG 131400

TATGTAAAGT GGAAACAGAA CCAATCTGGC AAACTTTGTA GGACTGGTGG GCAATGAAGA 131460

TCAGTCAGGT AAAATCTGTG GATATAAATT TATATTGATC AAAAAATTCA AGGTTAGGTG 131520

TTTTTCTTCA GTCATGCTCA ACGATGCTTC AGCCATGCTC AACTCTTCTG TAGCCACAGA 131580

AAAAAGTTTA CCCATAATCG AGCTGTGTCT GTGTCTGAAT AATGAAAAGA CCATGATGCA 131640

AGGGAGTTGG AGACACAGAA ACAGTGTTTG AAGTAATGGG TAATGGAAGC ATGCTACCAG 131700

GGAAAGGAAA GAAGTGGCAA TAGGAAGGAA CAGAGATCTG TGGTCCTATG TCCCCTGAGC 131760

ATATTCACAT GTTAAAGCTA ATTCAGTTTT CAATCATCAT TAAAATTTTG TTCCTAAATA 131820

TATGGCCATT ATTTTCCACA ACCACACTAA AACTTTATTA CCTCTGGCAA GTGACTATGC 131880

AAGTAACTAA GAGCAAAAAT ATCCACAACT ACCATTTGAG CTATCAATTT AGGGAAAGTC 131940

ATCTGGCTAT AATCTAAGTG ACCCTCCACT GAATGTCAGT ATCTTTGCAT ATGTGATTTA 132000

AATCTGGGCC TTCGCAACAC CATGAACTGT TCTTGTCTTG AATATCCAGA TTGAAGGAAA 132060

TAATCTGAGT AGTTACGAGT CCTGAAGCTA GAAAGATGGA AACCCATTT GCTCATCAGA 132120

AAGCCTTAGA GCTTGGGCGC TGGCGGGTCC TGTCTCACCG GGACAGAGGG GCTCTTTCCT 132180

CCCCATCTGA TAGTCTGATA ACTAGAGAAG CCGGCCAACT TATTCTCCAA GAAGGAGCCA 132240

TCTTAGTTCC TCCTGAAATG TTCATATTTA GAAATTATTG TTTGTCAGTA ATTTAACCCC 132300

TTAATGGGCT TGCCTTGTGG TCCATACCAC TGAGTGCAGA GCTTGCCTGG AAGAATTGTG 132360
```

```
AGGGCCATTC CATCTTCCAG GCAGTAGAGT TCAGTACTTC TTTAAAATTG CTGCTGAACT 132420

CTGTATTTGA AAAGAAAGAA TCATTTGGGT GTGGTAGCTC ACACCTGTAA TCCTAGCGCT 132480

TTGGGAGGCT GAGGTGGGAG GATCATTTGA TGCCAGGAGG ACCACTTGAG ACCACCCTGG 132540

GTAACATAGC AAGACCCTGT CTTTAGAAAA AAAAAATACA ATAAAATAAA TACAATAAAA 132600

ATAAAAGCAA AAAGAAAGAG TCCATCTTAG GGACAGACTG TAACTACTCA CTGGAGCTTA 132660

CCTTTACATA GTTCAGGATC AATTATAATA AAACACTTTT GTGCAGATTC AATAGGATTA 132720

TTTTAATCCC CATCATCTCT CTGAGTTTCC AGTCAGTTTC TCTGCATGTA GACACCCTTC 132780

TCCAGCCCAC CATTGTCTCT CCTCCTATAG CTCCACCAAC AAATCAGAAC TTTTTCTAAC 132840

TGCACCTAGT GCACCTAGAG TCTACTCCAG AATGCTCATG GAGAAAGTTT CTGAAAGGTA 132900

AAACTCTGAA TGATATTTGT AGCTAAAGGG AGACTTGCTA GAGACAATAA GCTAATAGTT 132960

GTAGACTTCA GTAGAAGAGG AATGACACTG CAATGTCAGG GTGCAGGACT TCAAGAGGGC 133020

AGAGTATGGA AACCCAATGG GAAAAATGCT CACCAGGAAC ATGAAGAGAA GGAATTACGT 133080

GTAAGGATTT CTCAATGTGT TCCCAAATTT GCCCAGCAGA GGGAGGCCTC GGGTTGATGG 133140

CAGGCTGACC ACACAATTAA AGAAGGCTGA ACCTGGGGGC TTTTAACAAC CATCGTGGGC 133200

TCTACTGTAA GCATTTAGAA AAAGAAAGTT ATCCATTCAA AAATATATAT ATTTTTAAAC 133260

TTCAGAACAA AATTATGAAG AGCTATATTT ACTTTTCTAC ATTCTAATTT TTATAAATCT 133320

GAGTATATTT TGCATATATT GTTATAGTAC ATATTCAATT TTGTATTTTG CTGTTTTCAC 133380

TTAACCATTT TTACTAGATT ACTCTGTGTT CATAATAATC ACTTTTTTAA AACTTTTATT 133440

TTTATTTATT TATTTTTTTT TTGAGTCAGA GTCACACTCT GTCGCCCAGG CTGGAGTGCA 133500

GTGGCGTGAT CTTGGCTTAC TGCAACTTCC ACCTCCTGGA TTCAAGCAGT TCTCCTGCCT 133560

TAGCCTCCTG AGCAGCTGGG ATTACAGGTG TGCACCACCA AGCCCGGCTA ATTTTTGTAT 133620

TTTTAGTAAA GACGGGGTTT CACCATGTTG GTCAGGCTGG TCTCCAACTC CTGACCTCAT 133680

GATCTGCCCA CCTTGGCCTC CCAAAGTGCT GGGATAATCA CTTTTTATGC TGCATAATTC 133740

TTCAGATTTG TCAGTACGAC TGTATTTACA CTCATTGTT TTATTAGAAA GAATTCCAGA 133800

ATATTTTGGC TGCCCTAATT AATTTTACAA TTAATATGAT TTTGAAATTG GGTATTGGCT 133860

CCTTCTGAAT TGGTTTATTA AAATATATTC TAATGTAATT TATGACATTT TCATCATATT 133920

AGCATATTTA TTCTGTTAGA ATTTCATAAT TTATAAAGCT ACAAACTGTA TGTGATATAG 133980

CTTGTAACTT TATCTCATAA CTTTATGCAG TTACAAGTAG AAATAAAATG TTCCCCTCAA 134040
```

-258-

```
GATTGCTTAA AATTTTATTA TAAACAAGTG TAAAAAACAA AATCACTAAA ACACTCCCTC 134100

TTTTTTCCCC CAAAATGCAT GTTTCCATTT TAACAGAACC CGTATTTAAT CAGCAGATTT 134160

CTATGGTGGC TAGATTTGTA GACTAAATAT TAAAAGTCCC AAAGCAAATG CATTTTCTC 134220

TTAAATTTTA CTGACTTTTT TTTTTTTTCT TTTTCTGAGA CGGAGTCTTG CTCTGTCGCC 134280

CAGGCTGGAA TGCAGTGGCA CAATCTCGGC TCACTGCAAC CTCCGCCTCC CGGATTCACG 134340

CCATTCTCCT GCCTCAACCT CCCGAGTAGC TGGGACCACA GGCGCCCGCC ACCACGCCCA 134400

GCTAATTTTT TGTATTTTTA GTAGAGACAG GGTTTCACCG TGTTAGCCGG GATGGTCTCG 134460

ATCTCCTGAC CTCATGATCT GCCCACCTCA GCCTCCCAAA GTGCTAGGAT CACAGGCATG 134520

AGCCACCGCG CCCCGCCTAC TGACTTTTAT CCAAAGAAAA TATAAGAGCT CTTCATCATA 134580

ACGTATGTTT CTTGCTCTTG TTATTAAATA TGACACATTT AGACTTAAAC TGATTTGAAG 134640

GTTTATGACA TTGTTTAAGT TATTACATAA TTAATTCATA AAGATAATGA CTAGTTTGAA 134700

CTACTGACAG CTCACACATC ATCAGTTGAA CAGCAGAAAG CTTATTAAGC TACTTTCTTA 134760

TGTTTCTGTC TCCCAGCTAC TAAAAGAAAC GAAACCCTTC CAGGTGTTAA GGCAAAACTT 134820

TCCTCCCCCT TTCTTCTATA AATCTGATTC CATGTTAGTG AAATTTCTAC TGATGGCTTT 134880

GGTTTCCTCT ATAGTAGAAT AGAGATCCTA TGGCAAAGT CATGTCTGAC ATGGTAGCAA 134940

ATAGAAATGG GGAAAAGGAA GGTCTGCAAG AGCCAATGTG GGAAATGGGG AGAGGACTGA 135000

CTACAAAAAC CCAGCAGGAA TTCCAGAAGA AAACTCCTCA GGACGGGCAC ATTGGCTCAT 135060

GCCTGTAATC CCAGTACTTT GGGAGGCCGA GGTGGGCAGA TCACTTGAGT CCAGGAGTTT 135120

GAGACCAGCC TGGTCAACAT GGCGAAACCT CATCTCTACA AAAAATAAAA AAATTTGTCA 135180

GGCGTGGTGG CATGCACCTG TAGTCCCAGC TACTCAAGAG ACTTAAGTGG GAGAATCACT 135240

CGAGCCTTGG AGGTGGAGGT TGGTGAGCCG AGATCACGCC ACTGCATTCC AGCCTGGGCG 135300

ACAAAGTGAG ACGCCATCTC AATCAATCAG TCTCCTCGAA AAGCAACATT ATGGAGAGAC 135360

AGGATTCCGT CAAGGCCTGG GGCACACAGG AAAATATTAA GGCAGAAGAG AGTTTCCTCC 135420

CCACACCACA CCGTATCCCA CAGGCACTGC GGATGTGCAT ATGCAAGAGG GGTTGATCCT 135480

AAGAATTTAG AGTCACAGAG GAGGAGGCAC CAAGCAGACT GTGGAGAAAG TCATGACCAG 135540

AAAGGGACAG AATGTAAAGC TTCAGCTGAT TATCTGGCCT CAGGGATTCC AGAGGAACTG 135600

GTCCCAATGG TCTCCTGGTG ATGTAGGTTC TTAGGTTTCT TTTACAGGGG TTTTCTGGGA 135660

GATCGTTGAC CCAGTTAGCA TTCAAGCAAC TTCCACCCTG CACTTTTATT CTTTCCCCTT 135720
```

-259-

```
CACCTGCTTA GGTTTTATCT GTCCAGGCAA TAATAATAAA ATTATTGAGC CCTGGACATG 135780

TACCTGTAAA GCTCCTTAAA GATGATGCCT TCTAACTCCT CATTCAACAG ATACAAAAAC 135840

ATTACAATAA AATGACTCAT GCAAGACACC CAGGTAGTTT ATAGCAGCTA ATAAAAACAG 135900

AATAACTATA AAATATGGTA AGTTTATAAA AGTTACATTG AGTATACTTT ATAAGAACTG 135960

CTTATTGAGT TTGCCTAATA ACCACACAGC ACAATAATAA TATGTATATA TTTTTAAATA 136020

TGTGTAAATA TGTGTAACAC AAACTTGTAG AAGGTATATC TGAGTACAAC CCTATTCTGT 136080

TTGGTTACCT TTTCTAGTTC ATTATGTAAG TGGCATAGCT ACCTAAGGAC TTATGCTTAT 136140

AAATGTTACT CAAAAAAATA CAGAGGACAT ATGTGGATAG ATAATGGAAG AGATAAGATA 136200

GGTAGGTTGA AGGGTTGGGC TGCCCCTCCA CACCTGTGGG TGTTTCTCGT TAGGTGGAAT 136260

GAGAGACTTG .GAAAGAAAG AGACACAGAG ACAAAGTATA GAGAAAGAAA AAAAGGGGTC 136320

CAGGGGACCG GTGTTCAGCA TACGGAGGAT CCCACCGGCC TCTGAGTTCC CTTAGTATTT 136380

ATTGATCATT ATTGGGTGTT TCTCGGAGAG GGGGATGTGG CAGGGTCAAA GGATAATAGT 136440

GGAGAGAAGG TCAGCAGGTA AACACGTGAA CAAAGGTCTC TGCATCATAA ACAAGGTAAA 136500

GAATTAAGTG CTGTGCTTTA GATATGCATA CACATAAACA TCTCAATGAC TTGAAGAGCA 136560

GTATTGCTGC CAGCATGTCC CACCTCCAGC CCTAAGGCAG TTTTCCCCTA TCTCAGTAGA 136620

TGGAATATAC AATCGGGTTT TACACTGAGA CATTCCATTG CCCAGGGACG AGCAGGAGAC 136680

AGATGCCTTC CTCTTGTCTC AACTGCAAAG AGGCGTTCCT TCCTCTTTTA CTAATCCTCC 136740

TCAGCACAGA CCCTTTACGG GTGTCGGGCT GGGGGACGGT CAGGTCTTTC CCTTCCCACG 136800

AGGCCACATT TCAGACTATC ACATGGGGAG AAACCTTGGA CAATACCTGG CTTTCCTAGG 136860

CAGAGGTCCC TGTGGCCTTC CTCAGTGTTT TGTGTCCCTG AGTACTTGAG ATTAGGGAGT 136920

GGAGATGACT CTTAACGAGC ATGCTGCCTT CAAGCATTTC TTTAACAAAG CACATCTTGC 136980

ACAGCCCTTA ATCCATTTAA CCCTGAGTTG ACACAGCATA TGTCTCAGGG AGCACAGGGT 137040

TGGGGCTAGG GTTAGATTAA CAGCATCTCA AGGCAGAAGA ATTTTTCTTA GTACAGAACA 137100

AAATGGAGTC TCCTATGTCT ACTTCTTTCT ACACAGACAC AGTAACAATG TGATCTCTCT 137160

CTCTTTTCCC CACAGGAGGT GATGGCCGGA AGAACATGGC AGAGGGCAAA ACAAAACAGC 137220

ATTGGGAACA AGCTCTGTTT AAAAGGAGAC TTGTGAACAG CAAAGAGTAG AAAGGGTTCT 137280

CTTACAACTG AAGCCCATGG AAGACAAATG TGTACTGCGT GAGTTTTAAG GCAATAGGAG 137340

TAGTGGGACC TAGGGCACAC CAGAGAGCAT ATTAACTCTC AAACTTTTAA AAACATTATA 137400
```

```
TCTGCTGGAC ACAGTGGCTC ACACCTTAAT CCTACAACTT TGGGAGGCCG AGGCGGGCGG 137460

GTGTAGCTTG AGCCCAGGAG TTCGAGACCA ACCTGGGCAA CATGGCAAAA TCCCGTCCCT 137520

ACAAAACAAA CAAACAAAAA ACAAAATTAG CCAGGCACGG TGATGCGTAC CTGTGGTCCC 137580

AGCTACTCAG AGGCTGAGGT GGGAGGATCG CTTGAGCCCC GGGAGGTTAA GGCTGCAGTG 137640

AGCCATGATA ATGCCACTGC ATCTCAGCCT GGGCAACAGA GGGAGAACCT GTCTCAAAAC 137700

AAAAACAAAA ACACACCATA CCCAACCACA ATGCATCTGT CTTAAGTACC AGTACCACAC 137760

CCCTCTACTC ACTACTAAAT AGGTGAGTTC CCAATCCCTG GTAGCAGGTT TAAGCATGTT 137820

ATATTAAAGG TCTTAGGCTA GTGACTCATT CACTCATTAA ACAAATACTT ATTGTGCATC 137880

TACTATAAAC TAAGTACTGT GCTAGGTACA AAAGCAAATA ATCTAAGCTC TATAAACTTT 137940

ACTTTCTTCA TCAACAAAAT GGAGATGTTT TAGGCATCTA CTCATCATTC TGAGCTCCAT 138000

CTTTTGTGAC TGTAGTTGGC AGAGCTTTTT ATCAGTTTCT CTAAATAGCT CTACCAGTCC 138060

CTGGTGGATG CTGGCATGCC CAAAGGATCC ATCCTGATGG CCCTGTCTGC TTACCTTACC 138120

TGCCTGCCTT TGCAGCACCG CTCTGCTCTT CTGCAGGACT TCCCTTATCC TTTGGGGTCT 138180

TGCTGCTCTT AGGCTGCTCT GCTTGTTTTG ATCTGCTTTG CATCACATGT ATGTAAAGGT 138240

CCTTTCCTTA TTTACCCATG ACCAAGGTAT TATGAGATTC TGGAATTTCC CCAAACCACA 138300

TTGATTGCTG GGAGAATAGA AGAAGTGGAT TACAAGTGGA ACTTAGAAGG GGAGTATTCG 138360

AGAAGACGTC TCTGCAAATC CATTTAGAGA GACCTTTCTC CAGTGGTGAC TCAAAGATGC 138420

AGCTCCTTTC ATCCTGTGGC TTGGCCATCT TCAGCACATG GCTCCCAAGG ATGTCCTCAG 138480

GATGGTCTCT AATCCAAGGA GCCTGAAGAG AAAAAAAGGC ATGGAGTATT GTGAGTGGTA 138540

GGTGGTTATG GACCAGTTAT GGAAGAATAC ACATCACTTT TGCCCACCTT CTACTAACCA 138600

GAACTCACAC AGCCATAGAC ACTGACAAGT AGGACTTAAC AAGAATCTAA TTTTGAGTCT 138660

AGGAATACGA CTGTAGCAAA TATTTAACAG CTTCAAACAC AGGTGCATTG CTATCACTAT 138720

GCTTGGCCCA GGCCTGTCTC CCTTTCCTGC CATGTCACAG GGGCCAGCAT TTATGTCTAG 138780

ATTGGGTTGG TTGGGATATT AAGACAATAA TGAACCAATA CAACATCTTG AGCATAAAC 138840

CAACTGATAC AATGATGTAC AAGTCAGATG ATTCTGATGA TTATGAATTA TGTCAATAAA 138900

AGAAATGTGA TAACTAAGGT AATTTTTGTT TTGGCAAATT TTTGTTTGTT CATGACAGGA 138960

TGAAATCCTG TCATTTGTAG CAACATGGAT GGAATTGCAG GATACTACAT TAAGTGAAAT 139020

AAGCCAGAAA CAGAAAGTTA AACACCACAT GTTCTCACTT ATATGCAGAA GCTAGCTAAC 139080
```

TAAGTAAATA AGTTTATCTC ATTGAAGTAA AAAGTACAAC AGAGATTACT AGAGGCTGGG 139140

AATGGTAGGG GAAAGAGATG ATAAAGAGAG ATTCATTAAA ATAAGTTACA GCTAGATAAG 139200

AGCAATCAGT TCTAGTGTTC TATTTGTACT ACAGAATGGC AATAGTTAAC AGTAATAAAT 139260

AATTTCAAAG AGCTAGAAAA GAGGACATTG AATGTTTCCA ACACAAAGAA ATGAGAAATG 139320

CTTGAAATAA TGGATATTCT AATTAATTAC CCTGATCTGA TCACTATACA CAGTATGTAT 139380

AAAAATAACA CTATGGGCTG GGCGCAGTGG CTCACACCTG TAATCCCAGC ACTTTGGGAG 139440

GCCAAGGTAA GCAGATCACT TGAGGTCAGG AGTTAGAGAC CAGTCTGGCC AACATAGTGA 139500

AACTCCATCC CTACTAAAAA TACAAAAATC AGCCAGGCGT GGTGGCATGT GCCTGTAATC 139560

CCAGCTACTC AGGAGGCTGA GGCAAGAGAA TTGCTTGAAC CCAGGAGGCG GAGGTTGCAG 139620

TGAGCCGAAA TCGCGCCACT GCACTCCAGC CTGGGTAACA GAGCAAGGCT CTGTTTCAAA 139680

AATAAATAAA TACATAAATA AATATTTTTT AAAAAAAGAA CATCACTATG CACCCCATAT 139740

ATACATATAA TTATTATGTC AATTTGAAAC ATAATTTTGA AAAATGAAAA AATGAAACAC 139800

AAATATGAAT CAATCCTCTC CAAGTTGATA TACTTAAAAG GAAAAAAGTC CGAGGGCTTA 139860

AACTATTCAA TCAAAATTTT ATTAAAATGC TATAGTAATC TGGAAAGTAT TTCAGAATGA 139920

ATTGGTATAA GGTTAGACAC AAAGATCAGT GAAACAAAAT AGAGAACCCA GAAATAGATT 139980

CACACATCTA TGGACAACTG GTTTTGACAA AGGTGTCAAG GCTATTTAAT AAGTAAAAAA 140040

ATCGTCTTTT CAGTAAATGT TTCTTGAACA AGTAGACATC CGGTGTGGGG GAGAGGAGCA 140100

GGAGCCTTAC CTCAAACTTT ATGCAAAAAT TAACTCAAAA TAGACCATAG ACTTAAATGT 140160

AAAAGCTAAA ATTATAAAAC TTCTTTAAAA AATAGGAGAA AATCATCAAC ACCCTAGGAT 140220

TAGCAAAGAT TTCTTTAAAA CAAAACAACA GGTTTATAGT TTATAAAACA TAAATAACAA 140280

AATGATAAAT TTCATCAAAA GTGAAAATTT GCTTTTCAAA AAACATTATA AAATGAAAAG 140340

CAGGAGGCTG AGGCATGAGA ATCACTGGAA CCCGGGAGCT ACAGGTTGCA GTGAGCCAAG 140400

ATGGTGCCAC TGCACTCCAG CCTGGGTGAC AAAGTGAGAC TCTTCCTAAA AAATAAATAA 140460

ATAAATAAAT AAATAGAAAA GAAAAGAAA AATCACAGGC TGAGAGAAAA TATTTATAAT 140520

ACATGTATCT GACAAAGGAC TCGCACCTGG AAAATATAAG GAACCTTATA ACTTAGTAAG 140580

ATGACAAGCC AAAACAAAGA GTAAAAGTTT TCAACAGACA TTTCACAAAA GAAAACATAC 140640

AAATGGCCAG TATGCACATG AAAAGATTTT AAACATCATT AGTTACTAGG GAAATGCAAG 140700

TCAAAACCAC AATGAGATAC TTCACATTCA ACAGAATAGC TAATGTTAAA AGGACTGACA 140760

```
ATCCCCAGGG TGAGCAAGGG TGTGGAGGAA ACTACTCTCA TATATTGTGA ATGTAAGAGG 140820

ACAATGTTAC AACTACTTTG AAAAAAGTTT GGCTGTTTCT AACATAAAAT TAAACACTTA 140880

TACAGCCCAG CAATATTTCT GGGTCATTTC TCCCAGATAA ATGAACACAT GTCCATACTA 140940

TGACATGTAC AAATGTTCAT ACTGGCTTTG TTTCACAATG CTATAAACTG GAAACAACCC 141000

ACGTGTCCAT CAACAGGTGA ATGGGTAAAT AAATTGTAAT ATATCGGCCA GACGCAGTGG 141060

TTCATGCCTG TAATCCCAAA ACTTTGGGAG GCCAAGATGT ACGGATCACC TGAGATCAGG 141120

AGTTTGAGAC CAGCCCATCC AACATGGTGA AACCCCATCT CTACTAAAAA ATTAGCTGGG 141180

CATGGTCACG GGCGCCTGTA ATCCCAGCTA CTCGGAAGGC TGAGGCAAGA GAATCACTTG 141240

AACCGAAGAG GCGGAGGTTG CAGTGAGCCA AGACCATGCC ATTGCACTTC AGCCTGGGCA 141300

ACAAGATGGA AACTCCATCT CAAAAAAAAA AAAAAATTGC AATATATCTA TATCTTGGAA 141360

TATTATAAAG CAATAAAAGG GAATAAACTA CTGATATATA CACAAAATGG ATGAATCTCA 141420

AAAATGTGAA GGAAAATAAA AAATACATAT GATATAAATT CCATTCATAT GAAATTTTAG 141480

GAATGGGAAA ACTAAGCTGT AATTATGGAA AGTACATCAG TGGCTGCCTG GGGCCAAGAG 141540

GATGGAAGAG GCGGCACAGG TGATACTACA AATGGAAACT ATCTAGGTTG ACGGAAGTGT 141600

TCTGTAACTT GATTACAGTA GTAACTGTTT GGGTATATAA AACGCATCAA ATTGTATAAT 141660

TAATACAGGT GTATTTTACT GTGTATAAAT TATTCCTCAA TAAAGTTGAT TTTTCATTAA 141720

ATATATTATT TGCTAAAATG AGGAGAGACA ACTATTATCT TAAAATAGTT AAGCACAATA 141780

AAAATACTAC AATCAACTCA TTATATATGG AAATTAAAGG AGAAAAATAG TGGTATGATT 141840

AATTAAAATA AAAAGAAAAC CTTCTAAATT TTATCTTAGC TCATAGTTGT AAAAGCTGCC 141900

ATCCCTAACC AAGGCCACCC TTGACCCTTT CTCATGTTCC ATCTTTCTGT TTGTTTCATA 141960

GTTTATGTCT CACCAAAATC TATCAGATAA ACGTATTCAT ATGAAGATTT AAATATATTA 142020

CATGTTAAGC CTTAGCGAAT ACTTCAATAT CTAAAGAAGG TACAAACAAA ACAAAAATCA 142080

ACACTTAGTT ATAAGAGATT ACATACTCTC CAGGGAAGAC CTGAAGACTA GCCCCTTTCT 142140

GGATCCCACT AGCCCCTCAT CCCACTCCAA GCCCTCCCCT CCAATCCCAT ATGCACTGGG 142200

CATTCATACA AATAAGACCA TCAGCTCTGG ATATCTGTAC TGATTGATGC TCCTGCTAAC 142260

TACCTGAATG ATTGCGATGT AAGGACAGCA CTGCCTGAAT CCTATTTATC TCTCGCTATG 142320

CCATAGCGGC CTTCCATGCT GATGGCGTGT TTGAGGATCC AGAGGGGTCT TTGGTTGGCA 142380

GGATTGTTTT ATTTCCCCAA GAGGAGAGCC TTGATGCAAA AATAGGTGAA GAAATCAGTA 142440
```

```
CAACAAAACA GAAAGCCTAG AAACTACTAT GAACACAATA GAGCAGAAGT AGCCTTAAGA 142500

GTTGGTGGAG AAAGGATGGT CTATTCAATT ACCTGAGCTG AGAAACTGGC TTTCATATGG 142560

AATAAAAATA AAATTATAGC TATACCCCAT ATCATACACA AAAGTTTCTA CATCTAACAA 142620

AGACACAGAT AGAAAATGTT TTAAAATTTT AGAAGAAAAT AGTGCAGAAT TTTAGTGCAG 142680

AATTTCTTAG ACTAGATGCA AAAACAAAAA TGATTAAAGT GGCCAGGCAC GGTGGCTTAT 142740

GCCTGTAATC TCAGCACTCT GGGAGGCCGA GGTAGGTGGA TTAGTGGAGG TCATGATTTC 142800

GAGACCAGCC TGGACAACAT AGTGAAACCC CATCTCTACT AAAATACAAA AATTGGTAGG 142860

GTGTGGTGGC TCACGCTTTT AATCCCAGCT ACTTGGGAGT CTGAGGCAGG AGAATCACTT 142920

GAACCTGGGA GGCAGAGGTT GCAGTGAGGG GAGATGGCGC CACTGCACTC CAGCCTGAGC 142980

AACACAGCGA GACTCTGTCT CAAAAAAATC TAAAAATAAA AAGATTATTT TTAAAGACT 143040

ATTTTAAACA AAAAAAATCG TTTAAATGAT ATGATACACT ACATCTAATA TTTGGAAAAG 143100

TACTTCTTAA TACTTTTAAT AAAAAGAGGC GCTGAGAGCA TACAACCTAT CCTCAGAAGA 143160

GTGTTTGACC TCTAGGAGGG ACGCAAGCGC GTTCTTCCTT CATTTTAACT GGTCATTTTC 143220

ATTTATTTCA GGAACATCTG AAGTAAACAC AGTCACACGT TAACCTTTAA AAATCTAGGA 143280

GGTGCGTACG CATAGTTCCA TTACTTCAAT TTTTGTACTT TTGCATTTTA AAATATCACA 143340

GGGAAGCTCG GTACAGCTTC AAGGCTAGGA GGGGTGGCTC TCTCTTAAGC CCTGTCCCCG 143400

CCAGCCCCAG ACCTCTCGTC CCGCCCCCAT TGCCCAGTCC CCACCCTCAC TTCCCCATTT 143460

CCCCACTCCC GCGGTCTCTT AACGCACCTG TTTTTCGTCC AGTGGACTCA GACCTGTACT 143520

CTTCCACCAG GATCGGCTCC TTTCCCGGAG CTCTCGCTCT TAGAGGAAAT TGAGAGAAGC 143580

ATCAGCGGAG ACCCATCTGT GGCTCTCCAG AGGGCGCGGC ATTCAGACCC CAGATCCAGC 143640

TGTGAGAACG GACCCCAGGC TCACACCAGG CCTGCGGGAG GCGGCCCACC AGAGGCGCTA 143700

GAAAACAAGC CTCGCGGGGA GGCGCGCAGG GCGACTGCAA GCTGTAGGGG GCGCTGGCGC 143760

CCTCACAGGC CAGGGGCAGG GCCGGCGCTG CGGGCGGGGC TCCTGCGGCG TGAGGGGCGG 143820

CCCCAGGCCA GCAGCTGCGC CCTGGCTGGG AGCCGGGGAG CATTTGCTGC TCTGCTGGAC 143880

CCTGAGTCTG GCGGCGGGCG GCCTCCTCTC CGCTCCCCGC CCGCCATCCC CCAACTCCCG 143940

ATCTCTCTGC TGCGTCTGGC CTCAGGCTGA GACCCCAACG AATCATTCCC CGCATGGGAA 144000

CATTTTATGA TATAACTGAA TTCAGTTTTA TGTATAACTG AATTACGGAT ATGAGAATCT 144060

CAAATGAGGA CGAATGGTTT TTACGCACAA AACATGAGAC ACAAATCTGT AAGAAATATA 144120
```

```
AAGTCGTGAC CACGTCCTTT CAGAACTTTA ACCTGTTTGC TGAAGTACGT CAGTAACAAT 144180

GGCAGGGAAA GGGTATCTTA AATTTCACCA CAGCCTCAAA GAGGCCATTT CGTGGATCCG 144240

CTGAGGCTTG GAGTCGGCCT TCTGACCACG AGTCCTGCGG CTATGAAAGA GGAAGCCGCG 144300

GTTCAGGGCG TCCTCGCGAG TCGCGCAGCC CGCCCTGCTC CAGCTGGGGA CACAGGTGGT 144360

CACGGCGCTT TCCAGCTGCA GATCCAGGCG GCAGCCCAAG ATTTGGTCCA GCCGCCAAGG 144420

GGTGGCTCGA GTGACTGACG GGCCTTGAAC GCTCCCAGGA CCCACATCTG GAGAGGGAGG 144480

TGGGGGTGGG GTGCTGAAGT CATTCTTGGG GCCCCTGGGG GCGGGCATGG ACCTGGGTAA 144540

GGCCAGAGAA ATTGACACCT CGTGACATCC CTGGAAGAGA AGTACGTTCA GTGTCACTCC 144600

AGAGCTGAAA GATACCGCCT TCTGGCTGGT CCCTCCTCAC CTACATACTT TTCTAATTTG 144660

TCTGGAGCAG GCCGGGCATC TGTATTATCT GGTTATTTAA ATATCTGGTT ATTTAAAAGC 144720

TCTCCATTAA ATTCACATA  CGAAAATAA AAATTAAAAA AAATTTAAA AAAAAGAAAC 144780

AAAAGCTCTC TAATGACCAA GTCCTACACG ATAGTGAATA AATTTTTTTG TGTGGTCCCT 144840

AAAATTGAGT TCATGCCTTT TCTGAAGTAA TAGACGCCCA GAGAAGGGAT CGACTTACCC 144900

ATCATGCCAC AGAGATTAAT TGGCCCCAGA ATTCTTTAGC AGACCGTGTA TATGAACGTC 144960

CTTTGCAATC ATATAAATTA ACTGGGAAAA CCTCATTTAG TATGTTACAT GCCTAGCGTT 145020

TTGTGCCTGA ACACCTTACA AGAACCAGGG ACTATTGCCC CAATATTATA TTTCAGGAAA 145080

GGAAGGCCCA GACAAATGGT GTCACTGGTC CACTTTCACC CAGTTGGTAA ATGAAACCAG 145140

AAATTATAGC TGTACCACAG AAAGGTGAAA ACGTTTCTTT TATAATTTCA CATACAATCT 145200

TTAATGGACC CAGTGTCCAA CACATTAAAG CAAGTGCTCA GGAGTGACAT CAAGATGTAA 145260

AAAATAGTCC TGTCCTCAGG GAGTTTAGGT CTTGGAGAAA AGAGACCCAA GGAGACACAA 145320

GACAAAGGGG AAAGAGAAGG AGCGCTGAAG ACTGAGGACC CTGCCTGTGG ACTGAAGTGA 145380

GGATGGGGAC ACCCGATGCC CGGAATATGA CAGTTTGGAG GGGCCTGAAG GACTCTTCTA 145440

TTCTCTATCA GAAAAACAGA ATTACTCTCC TAACCAGAAA AGGTATTTCA ATTTATATTT 145500

TCCATCACAG CACTTTTCTG GTGATAATTT AATGTGTTTT AAAAAATGTA TCACAGTGAT 145560

GGCCTGGTGT GAAATAAATA ATAAAATTTT AAGAATTAAA AAATATAAAA ATCTTTATA 145620

TAGACATTAG GAGTTACAAG GATAACTGTG AATTATAATT AGTAATTAAA TTGAAATACT 145680

GATTATTTTC ATTTTTATTT AATTATTTAA TAAAACCTAT TTAACATTTA ATATTTATCA 145740

GTAATTAAAT CTAATTGTTA ATATTTATTA TTATAAATTA TTTTAGAATT AAAAATAAGT 145800
```

```
GTAGAAGCGA GGCATGGTGG CTCAAGCCTG TAATCCCAAC ACTTTGGGAG GCTAAGGTGG 145860

GAGGATTGCT TGAGCCCAGT AGTTCAAGAC CAGCCTGGGC AACATGGAGA AACCCTGTCT 145920

CAATACAAAA AAATGAGCCA TGTGTGGTGG TGCGTGCCTG TATTCCCAGC CATTCTGGAG 145980

GCTGAGGTGG GAGGATGACT TGAGCCTAGG CAGTCAAGGC TGCAGTGAGC CCTGATCTTG 146040

CCACTGCACT CCAGTCTGGG CAACAGAGCA AGACCCTGTG TCAATATACA TATGGACAAA 146100

CTTAAAATTT AAAATGAAAG CATACTACTG ATACAGAATT GAGTAGAGAT GCAAAGCTAG 146160

TCCTATAACC AGAACAATAA AGATAAAAAG GAGAGTGGAA GAAGGTATGT CATGAATTTC 146220

ATGATAAATG GCAATTGCAA ATATCCTGTA GCAGAACAAA ACAACAAAAT TGTAGATAAA 146280

ACATATCCAA CCCTTTGGAA GGCCAAGGAG GGAGGATTGT TTGAGCCCAG AAGTTGGAGA 146340

CCAGCCTGGG CAACATAGTG AGACCCTGTA TCTAAAAAGG AAGAAAGAAA AAAAAAAAA 146400

AGGATGATAA AGTAGACAAT ATTGAAAGCC ATTTTCTGCA AATACATAGT GAATTTGATC 146460

AGTAATTTTC TTCCAACAGT GCAAAAATGA ATAGATATTA GTTGCCTGAA ATAAAAATCA 146520

AATATCCAAC AAAAAATATT GACTATCTAA TAGTATCTAA GCTAGTAAAT TTGGCCAGTT 146580

ATAAAATGTC TTAAATTTTT ATTTAAAAAA AGAAAACCAT ATTTATAAGA AGAGGTGATA 146640

AAGAGAAATT ATTTCAGTTA TGAAGATTTT GTTAGAAAAC TATGAGAAAA AAACTATTTT 146700

TTGTTTTCAA AAAGTGAAAG ATTAAGTTAC CAAACAGTTG CTAAAGAATA CCAGATGGCT 146760

GAGCGTGGTG ACTTATGCCT GTAATCCCAG TACTTTGGAA GGCCAAGGCA GGAGGATCAT 146820

TTTAGGCCTG GAGTTCGAGA CCAGCCTGGG CACTGTAGCA AGACCCGTCT CTATTAAAAA 146880

AAAAAAAAAA AAAAAAAAAG AATACCAGAC CTTGCTAACA ATAGCAAAGA TCAATTAATT 146940

CAAAATTTGA AAAACTGTAA TTTATTTAGC TTTAGAGTAC TCTCGTGATA TGAGATTGCC 147000

AAATTAATAC TTTGGGTGCA TTTCTTTTCT CAAAGGACTT GCAAATTTAC AAAGAAGTGT 147060

TGAAGAAAAG CCACACATTG GCAGGTAATG TTTGCAAAAG ACAGATCTGA TGAAGAACAA 147120

TATTTTTAGA ATATACAAAG AATACTTAAA ACTCAACAGT AAGAAAATAA CCTGATTTAA 147180

AGCAGGCCAA TGACCTGAAC ATCTGTTCAC CAAAGAAGAT ACACAGATGC AAGTATGCAT 147240

ATGAAAGAT GCTTGACATC ATGTCATTAG GGAACTGCAA ATTAAAACAA GTAGATACCA 147300

CTGCATACCT AGTAGAATGA CCAAAATTTA GAACACTGTC AGCACCAAAG GTTGCAAAGA 147360

TATGTAGCAA TAGTAACTTG TTCATTACTG GTGAGAATGC AAAATGTGCA ATCACTTTGG 147420

AAGACAGTTT GGTGGTTTCT TACAAAGTA ACCATACTTT TACCATAAGA TTCACCAATC 147480
```

-266-

```
ACACTCCTTA GTATTTATCC AAAGGAATTG AAAACTTATC TCCACACAAA AACCTGCACA 147540

TAGATGTTTA TAGCAGCTTT ATTCATAATT TATCCAAAAC TTGGAAACAA GATGTCTTTC 147600

AGTAGGTAAG TGGATAACTG TGGTACTTCT GAATAATGGA ATGTTATTTA GAGTTAAAAA 147660

GAAATGCATT CACTTTGGGA GGCCGAAGTG GGTGGATTGC TTGAGGCCAG GAGTTTGAGA 147720

CCAGCCTGGT CAACATGGGA AAACCCCAAT TAGCCGGGCA TAGTGGCGTG AGCCTGTAAT 147780

CCCAGCTACT CGGGAGGCTG AGATATGAGA ATCGTTTGAA CCTGGGAGAT GGAGGTTGCA 147840

GTGAGCCAGT GCCACTGCAC TTCAGCCTGG GCAACAGAGC AAGACTCCTC TGTCTCAAAA 147900

AAAAAAAAAA AAAAAAAAAA AAAAAAGAA AGAAAAGAAA AAAGAAAAAG AAAAAGAAAA 147960

GAAACGATCA AGCCATGAAA ACACATGAAG GAAACTTAAA TGTATGTTAC TAAAAAGCCA 148020

ACCTGAAAAG ACTGCATACT ATATGACTCC AACTGATGCA GGGCAAGCAA GCCAAAAATT 148080

AGGGCTTAGC CCGGGAAGAA TTCAAGGGTG AAGTGGTGGT GTTAGCAACT TTTACTGAAG 148140

CAGCAGTGTA CAACAGCAGA ACAGGTACTG CTCCTTGCTG AGCAGGGCTA ACCCATAAGT 148200

AATGTGCCCA GAGTAGCAGC TCAGGGGCAG TTCTGCAGTA ATATACCTGC TTTTAGTTAA 148260

GTGCATGTTA AGGGGGATTA TGCAGAAATT TCTAGAAAAA GAGTGGTAAC TTCGGAGTAG 148320

GTACAGAGGA AAGAAGTCGA TAATGTCCTG TTGTTGCCAT GGCAACGAAA AACTGACATG 148380

GCGCTGGTGG GCGTGTCTTA TGGAGAGGTG CTTTAACCTC GTCCCTGTTT CGGCTAGTCT 148440

TCAATCTGGT CCGGAGTAAA GTCCCTGCCT CCGGAGTTCA CTCCTGCTTC CTGCTTCACA 148500

ACTGTATGAC ACTCTAGAAA AGACAGTAAC TATGGACACA GTCAAAGAT TAGTTGATAG 148560

AAATTGGGTG ACAGGAAGTG TTGAAAAGGC AGAACACAGG ATTTTTAGGG CAGTGAAACT 148620

TCTGTGATAC TATAATGGTG AATACATGAC ATTATACATT TGTCAAAACC CATAGAAAGC 148680

ACAACACCAA GAATAAACCC TAATGTAAAT TACAGACTTT CGTTGATAAT GACGTGTCAA 148740

TGTAAGTTCA ATTGTAATAA ATGTACTACT GTGGTGCTGG ATGTCTATGG TGGGGGGACA 148800

TTTTTGCTTC AATAGTTACA GTTGAAGTAA ATGTTTGTGT TTCCCACAAT GCATATGTAG 148860

AAACTCTCAC ATTCAATGTG ATGGTCTTTG GAGGTGGGCT CTTTGGGTGA TAGTTAGGTT 148920

TAGTTGAGAT CCTAGCAGAT CGAGTCTTCA TGATGGGCAT GATGGGACTG GTCCCTTATA 148980

AGAAAAGACC AGAAAGCTAG CTCTCTCTTT GCCATGTGAA GACATAGCAG GAAGGTAGCC 149040

ATCTGCAAGC TAGGAAAGGG CCTTCACAAA GAATCAACTC AGACCTCAGA ACAGTGAGAG 149100

ATAAATTGTC GTTGTTTAAG TCACTCAGGC TGTGGTATTT TGTTTCAGCA GCCCAACCTA 149160
```

```
AGACTGTTAA TTGGATTAGA AATTTCCTTT TGGGGATGGT GTGTGGCGGG GGGTGCGGGG 149220

AGTACCTTTG TTAAGCTTTT ATATCAATGA GTTTGTAGGC TTTTCTTTTT TGGTCATTGA 149280

CTAGGACAGT TTAAATAGTA TGAGTGTGAA GGAGATTGTT GGTCATCTAT TCGATGTCCC 149340

TTCTCTGTTT TTTAATATGA GAACTCCTGA TTTTCAGCCA ACTACCCTGG AAAAAAAGCT 149400

AATCTTTCTG ACTTCTTAAG TGTGGCCATG TACTAAATTC TGGCTAATGC AAGGCAAGCC 149460

AAAGGTTTTA TGATAGGTTT TAGGACACTA GAGTAAAAGA GAGCTGTTGC ACACATGCTC 149520

TTCACCCTAC TTTTGTGTCC TTTTTTCCAT CCTACAACTT GGGTTGTGAG TATGATGGCT 149580

GGAACTTTAG TGGCTCTCTT GGATCCCAGG GGTAATTGAG GGGTGGCTGG AAGGAATCTG 149640

TGATTTTCTG GAGTTTCCAT ACACAAACAA GACCTGGATT TTCTGGGCTT CCCAGACTTC 149700

CACATCTAGA CTTGCTTTAA ATGGGAGAGA AATAAACTTG TTTCAGCCAC TGTCATTTTG 149760

GGCTATTTTA TAGAACTTAA TCTAATCTTC AAGGGTACAT GAATTGCTTT TCCTTAAAAA 149820

AAAAATCAGC CATAAAATCA TCTTCTTTTT TCTTTTGTTC CCCACATTAT TTAGTTGGAG 149880

CTCTGTAACT TTTTTTTTTT TTTTTTTTGA GACAAGGTCT TGCTCTGTCA CTTAGGCTGG 149940

AATTCAGTGG CATGACCATG GCTCACTGCA GCCTTGCCCT CCTAGGCTCA AGCAATCCTC 150000

GTCTCAGCCT CCTGAGTAGC TGAAACTAAG GCACATGCCA CCATGCCCAG CTAATTTCTT 150060

TTCTTTTAGA GATGGGAGCC TTGCCCAGGC TAGTCTCAAA CTCCTAGCCT CAAGTGATCC 150120

TCCCATCTCA GCCTCCCAAA GTGACAGGAT TACAGGTGTG AGCCACCATG CCTGGCTGCT 150180

CTGTAAGTGT CTGAATTTCA TTTTGTATTT ATCAGTCTGT TTAGATTTTC TTTCCCTTCT 150240

TGGGTCAGTT AGGCCATTGG TTTCTTTTTA AAGGTTTTCA AATTTATTTG CATCTAATTC 150300

TTCAAATTAC TCTCAAAATT ATTCCAGTAT ATATTCTTTT GTTCCTATTT TCTTCTGTAT 150360

TCTTTATTAA AATAGCTAAT GATTATCTA GCAGGACTTA TATTCTTTCC ATAACTTTCC 150420

TGCACCCCAA TTAATCTCCA ATTTTATATT TCTTCTGGCC TTCCTTATAG TTTCCACAGG 150480

TTTATTTTAT TCATTTTTTA AAACTTTTAT TTAATTGTTT ATTTTATTAT CATTCTTTCT 150540

TATTCAGCAA TCTAAGTGCT TAGGGATATA GAATTTCCTC TAAGCAGCAT ATGCTAGGCT 150600

TTAACAATGT TAGGGAGGCC TCCCCTTTCT GGGGAAGACC ACACTTACAT TAACACAGGA 150660

CTGTGGGATG CCAAGAGGTA GAGAAGAGCT TATGAATATC CAGATTACAT CTTCACTGAT 150720

CCTGCACAAA GGTGGGGTTC CTCGGTTACC CACTGGGTCC TATTACCCAA GTCTGGGTCA 150780

GCATACCGAG ACTACGGGTA TATAGAACAA GTGCAACTGG CGATAATCCT TCTGTTGGGG 150840
```

-268-

```
AGAAAAATCT TTTTTTTCTA TTCATCTTAG GTTCTCCATC TGTGGCCCTA TCAAGTAGAC 150900

TAACAAAAGA CAGATTGACA AGACAGAAAC AAAGCATGTG CATTGTACAA ACACAGGGGA 150960

GTACTGAGAT GAATACTCAA AAGAGGATTT AGAACTTGGG CTTATATAGC ATTTTAAGAA 151020

AAGAATACAT TTTTTAAGTG ACAAGGAAGA CGAAAAGGAC TTTGAGTTTC TAGTGCAGTA 151080

AATTGTGGGA AGGCAACTTT TTCTTTCCCT TTTTTTTTTT TTTTTTTTTA AAAAAAAGAC 151140

TTCTCTGGTG CTATGTCCAG GCTGATAAGA GTCTAAAGTC TCTGGTGACT AACTTTTGTT 151200

CTTCCCCGAG TAAGAAGACA CCTTCACAAT TTCATATCCT GCTTTTAGGC AAACAGGGAG 151260

AGGGCAGAGG TGTTTGTTTG TTTTTAATCT ATTTTTTTTC TCAATTGTCT TCAACTCAAA 151320

ATACTTCTTA TGCCAAAGAT GGCATATTCT GCTACCCTTC ACTTACTACT TACAACCCAG 151380

CCTCTATCAT CATAATTAGA ACTTCTGACC CTGGGGAACA TGGGCAATAG TTTGAACTCT 151440

TTTATATCTC CCTTAGGCAG AGATGGAGGC CCAGCCATGC CTCTGACATC TAGACACAAC 151500

TGTTGCTTCA TTTCTCCTAT TCTCAGAGGT GATGTTGTAG GACTTCAACA AATATCAGTA 151560

AACATTAATT TTTTTTTTCC TTGAGGCACA GCATGATCTT GGCTTACTGC AGCTGCTGCA 151620

GGCTCAAGCA ATTCTCCTGC CTTGGCCTCA CGAGTAGCTG GGTTACAGGC CCCTACCACC 151680

ATGCCCGGCT AATTTTTGTA TTTTTAGTAG AGACAGGGTT TCACCATGTT GGCCAGGCTG 151740

GTGTTGAACT CCTGACCTCA AGTGATCCAC CTGCCTCAGC CTCACATAGT TCTGGGATTA 151800

CAGGCGTGAG CCACCATGCC TGGCCATCAA TTTTTATGTC AACTCTAAAT TATAACATTT 151860

AGCAATTTTG TGACTTTTTA TGGTCATCAT TAATGTTGTT TATGTTTTAG TTGTAGTCCT 151920

GTCATTACTC ACTCGGGTAT GGTAATTTGG TCTTTTTCAA AATGAAGTTA AGGTCTATTT 151980

GCTCTTCTCT GAATCATAAT AAGAACTGCC AACAGCCATT TCAGCAATAA CTATTTACTG 152040

AGATTTTAAA ATATTTCAAG GTAATTGGTC CTAGCAGACT GGAAAATACC AAATTCTTTT 152100

CCAGAACTGA ATCCCCCATC AAAGTTCAAT TTTACTCATA ATTCCCTTTT CATTTGAAGC 152160

ATCTCATTGT AAGCCAGTCT TAACCCTTCT CTCACACTTT GCTTGGCTGT TTCTCAGGTA 152220

GAACTCAGTA AGTCTGGTAG CCTCCAGGAC TGCCGCTTAG ATTATTAAAC AACATGTCAG 152280

TGGTTGGAAG AGTCAATGTT ATTTGATTT TTCTGTTTTG TTTTGTTTTA AATGCAGTTG 152340

GCGGATAATT GCAGCTTTCT TTCATTCCCT ACATGAGTTC AAATGGCAGC AAACAAACTA 152400

GGAGAACGCA GACCTTCTGA CTTGTGGGTA CCCCTACTCA TCACCTGAAG ACCCTTGGAA 152460

ATCAAAGCCC TGACCCATTA AGACGGATG GAGACAGCAA CATACGATCA TCACTATTAT 152520
```

-269-

CTTGCTTTGC CCCAGTCCAG GTTAACCATC TGTGGTATTT TTAGTTGCTA AGTCCATATA 152580

TTCAACATAA ATCAATTATA TATCCACTAA AATCTCAGCA CTAGTCTAAC TACTAAGGAA 152640

ATGACAGCGA AGAAAACAGA CCAAACGTCT GCCCTTATGG GATTTATATT ATTTTCTCTG 152700

TGCTGGTTAA ACCAAGGAGC TTCTGCTCTT TTCCTTAGTC ACCTGGGGGA GGCAGAAACA 152760

AAGGAGAATA TTGATAAACC TGGAAATAGG GCCGGAGAGT ATCAGAGAAG GAAGCCTTCG 152820

GGAAAGTAAA GATGTGGCAG CCAGTATTCC CGTTATAAAA GGATACAACT CCGGCCTCAT 152880

AGTCCAGAAA AATTCCCACA AGCAGGGGCT GCTCATGCAG ATGAAGGGAA GTTGGGGGAG 152940

AAGTAAGTGC TACATAGCCT TTCTTTTTGC ACAGCCTGAG GGTCCAGAAT CCAGACTGAG 153000

GCTCTTGCTT CATGCCAGTG CCCCTCTGCA CATTTTCCAT ACAAACTCCT AAATCCCATC 153060

CGGTTCCTTC GCCAACATCC ACTTCAAAGT AACGTCTTCC TGAGGTGAAG CCTTCACAAC 153120

CCAAGACACA GGGGAAGGCA GTAAATCTCC TGGAAGATGT GTCCTGATTC TCCTGGGTGT 153180

ATCCACGAGT CACTTGTCTC CGATCCTCAG AGAGAATTAG TTCGTGATGA GCTGTATCTG 153240

GATCCAGAGT CACACTAACT GCAAAACAAA ACAAAACAAA CAAAAATAAT TTTGTTGCTG 153300

TGAAGAACAC AGGTTATTTT ATTTTATTTT ATTTGAGAT GGAGTGTTGC TGTCACCCAG 153360

GCTGGAGTGC ACTGGCACTA TCTCAACTCA CTGCAACCTC CACCTCCTGG ATTCAGGCAA 153420

TTCTCCTGCC TCAGCCTCCG GAGTAACTGC GACTACAGGT GCGCACCACC ACAAGTGGCT 153480

AATTTTTTTA AATTTTCTGT AGAGATGGGG TTTCGCCATG TTGGCCAGGC TGGTCTCAAA 153540

CTCCTGACCT GAAGTGTTCC ACCCACCTCG GCCTCCCAAA GTGCTGGATT ACACAGGTGT 153600

GAGCCACCAT GCCCAGCCAC AAGTTATTTT CAATAAAACC AGCCTGTGTT CAAACCCAAC 153660

TATTGTTTCT TATAAACTGG GTGAGCTTAG GCAAATCATT TAACTTTCTG AGCCTCAGTT 153720

TGTTAACTAT AAAGTGGAAA TTACCGTATT TGTTGCAGAG AATGGTGGGT AGGATTGAAT 153780

AAGCTTATGT TTGCTTAATG CTTGGTAAAA TTCCTGGTAC ATGGTAACCA CCTAATAAGT 153840

GGTAGTTGTT GGGGTGATCA GGCCCAACAC CAGGCCGTGG GGGCTACAAA GTCCGGCGGG 153900

GTCAAAGGAA TGAGAAAGA CAAGTTAAGA GTGCATAAAG TGGGTCCAGG GTGCCAGCAC 153960

TAGATTGGAG GCTGCAAAGG CCCTAAGCTC TGGGAGCCCA CACTATTTAT TGGTGATCAA 154020

ACAAAGAAGC AGGTGGTGAG GACGTGAGGG TAAACAGGTG AGGGCATGAG GACATGGGGG 154080

TAGAAAGGTA GTGGTGCATT AAGCGTAGCT GTGACAGTTT AGCATTTTCT TTGACACATG 154140

TAGAATATAC TCTGCTGCTT GAGATAGTAG AGGACACGTT TATGAGTGAA AAGCAAGGAA 154200

-270-

CCAACAAGTC TGTGCACTTT CCAGAGGCTA TGAGGGGTTT TATGCCCTGA GCCCTGGGTT 154260

CCATCCAAGC CACAAGGGGT TTTATGCCCT AGGCTTAGAT TTGTGGTGCG GCAGGGCAGC 154320

CTTCCACCAT TTGGCACAGA GCTTGGTGTT CCAAAGGCCA CGAGGGGTTT TGGACCCTGG 154380

ACCCCGGACA TCTTCCAAGA CTCTTTTACA TTATGACAGA CAAGCCAGTC CTGCTTCAGC 154440

TCTTCTAACA ACATGTAGTA ATAATGATAT CATCAACATC ATCTTCGTCT TAATTATTCA 154500

AGGATGCCAA GGTACAGAAC TAACCTGTTA ATATGGTTAC CATCCTGTCC AAAGTTCTTC 154560

TCCCATGCAG GACTTCCAGG AATCATGAGA CAGTTGAGCA GAAAGATACC TTTTCCCTTC 154620

TCTACTGAAT AACCACCAAC ATTGAGAATC AGAGAGGGAA AATGACTCAG CTAATGTCTT 154680

AGCTTGTTAT TGGAAGACCC AGGTCTCATG ACACATGCCT AGTCCCATGA CTTTTAATTG 154740

TAAGCTCTTC TCTTTCCCCT CAGATAATGT TCCATAAGCA TTAGTATGAG ATAATAATAC 154800

ACTGAGGACC AATATACATG AAAAATATCA GACTAGAATC AAACAAGACA GAAAAAAGAT 154860

CTGATAACCT AAAGTGAGAT ACTGAACAGT ATGCAGTTTT AAAAATAAAA AATGGTAATA 154920

GGATGTTCTA ACAAGAGAGT TAAGAAACCA CTGTGCTACT GAGTTAAATG TTGATCAGTT 154980

GGTCTGTGAC AATTAAGGAA TTCAAGTATT CAGAAACACT TCCTGTGCTG GATGCTCTCT 155040

GTTTGTTCTT CCAAATAATC CCTCACTTTT CCCTGTCTTG CTCTGTGCCC AGGAAGGCTG 155100

ACATGGACAG ATTAACCAGG CTTTCCGCCC TCTGGCTTGG TTCAGCCAAT GGGAAGCACC 155160

AGAGGAGACC ATAGGGCACA AAGAAGCAGC CTTGGGAGTA TTCAGTACCC CAGTCCCACG 155220

CTATGATTTG GAGGGTCTGC ATTCCTCTGC CTCTGGGCAC ACTCTAGTAT AGTTACAGCT 155280

CCCTACACCT GCCACTTGAG GCCCAGAGGA GGTGATGGCT CTCTAACTGT TCCTAGTTCT 155340

GGGTGCTTCC TGTTCCTTGT GGATTCCCA ACTCCTCACC TTTGTAAATA CCCTCCTTTT 155400

TCAAACTCTA TTCAGTTAGC TTTTATCAGC CTGACTCACA GAAGTTTGGG GTTTCAATTC 155460

ATATTACCTG AATGACCCAG GAAAACCCAT GTTGAGAAAT TAAAATGTTT ACGGGGTGGT 155520

AATACCACTT AAGAGAAAAA ATATCAATTG GATTTTTAAA ATTCCACCTA TCTATTGGTG 155580

TGACACATCA ACAAAAACAT ATAGAAAGAT TGGAAGCTAA AAGATAGATA ATATAGTCAT 155640

ATACTGTTAT AGTATTATAT CAAAAGATAT TAAGTCAGAG CATTATTAAG AATGGAAGAA 155700

GGGCCAGGTG TGGTGGCTCA TGCCTGTAAT CCCAGCACTT TGGGAGGCCA AGGCAGGCGG 155760

ATCACTTGAA GCCAGGAGTT CAAGACCAGC CTGCCCAACA TGGCAAAACC CTGGCTCTAC 155820

CAAAAATACA ACAATTAGCT GGGCATTGTG GCACATGCCT GTAATCCCAG CTACTTGGGA 155880

```
GGCTGAAGCA CAAGAATCAC TTGAACCGGG GAGGCAGAGG TTGCAGTGAG CTGAGATTTC 155940

GCCACTACAC TACAGCCTGG GTGACAGAGA GAGATTCTGT CTCAAAAAAA AAAAAAAGA 156000

AAGAATGAAA GGAGTCACCT AAAAAGATA ACACAATTTT AAACATAAAT GTACTACATT 156060

ATTAGTGAAT TCATGTTTAG AATTGTGTTA ATATACAAAG CAAAAATTGT AGAATTATAG 156120

GAGAAATGGA CAAATCTACA ATCATCATGG GATGTTTTAA CATTCTTCTT TCCATAATTG 156180

ATAGATCAGG CAGACCAAAA GAAAGAAATA AGGGAAGATA CGGAAGGTCT GAACAATCTA 156240

AGAAGCGCAA TCTCATAGTC AATACATAAA GCTCAGCAAT TGTTTAATAA TAGTAAGCAG 156300

AGAATATGCA GTTTTCTCAG GTATAGATGG AACATGCACT AACTGAGTAA ATACTAGGCA 156360

GAAACAGTC TGAACAAGTT TCAATAAATC TGTATTACAC AGATCATTTT CTCTAGCCTC 156420

AATATAAGAT TATAAACCAA TAATAAAAAG ATGACTAAAA AGATTCTAAA TATTAGGAAA 156480

TGTAAACTAC TAATAAGTCA TTAGAAGATG TATAGAATGG AACAATAATA AAATGTTATT 156540

TATAAAAATA TACAATGAAG CTAAAGCAGA ATTTTAAGGA AAATTTGTAG GCTTTAAATG 156600

CTTATCTTAG AAAAATTAAA AAGCTGAACA TTAATGAGCC AAGCATCTAA TTTAAATTTT 156660

AAAAAGAACA TAGAAAGCCA AATATAATTT TTTAAAAAGA AAAAATAGAT ATTAAACAAT 156720

ATAACAGTGA AGTTAAAGAA AACAAGAATG CAATAAAGAG GAAAAACAAA CAAAAAAAAA 156780

AGTAGCTTCT TTTAAAAGAA ATTTAATAAA ATAGACATAC CTCCAATGAG ATTTATCAAA 156840

GTAAGACAGA AGGCACAAAT GGAATGAATA CAGAAACTTT TTAAATATTA CAGAACTTTA 156900

TAATAAATCT TATGCTACTA ATAAAATTGA AAGTACTGAT AAAATTATTA CTTCCTAGAA 156960

AAAATATTTC TGAGTAAAAC TCACTCAAAA AACAAATAAA GCATGGGCAG ACCTAACATT 157020

AAAGAAATGA AATCACTACT TTAAATTTTA CCGACAGATA ATAAAACGTG CATCTTTATC 157080

AAGCAAAAAT GGAACTTGTC AGTTTTATAG GAAATTTAGA AGTCAAGGCA TGAGTAATGC 157140

CAATCTCATA CCAAATCCTA CAAAGAATAG AAAATTATGG CTCCCGCTTA TAGACATAGA 157200

TATAGAACTC CTGCACAAAA TAATATAAAT AACAAACCAA ATTTTATATT TGCAACTATA 157260

CATATTATAT GTGTATGTAT TATATATGTT AACATATACA TATATAATAT GTATAGCATA 157320

TGTTCTACAT ATTATATATG TATAGTGTAT GTATTTTACA ATATATAAAT GAAAACCCAA 157380

TCTTTAATAT ATTCATCTAG ATTGTCATAT ATGACATATA TAATACATTA CATCAAAAAT 157440

GTGTACAATA ATCAGGCCAG GCACAGTGAC TCATGCCTGT AATCCCAGCA CGTTGGGAGG 157500

CTGAGGCGGG TCAATCACTT GAGTCCAAGA GTTTGAGACC AGCCTGGTCA ATATGGCCAA 157560
```

-272-

ATTCCATCTC TACAAAAAAT ATGAAAAATT ATCCAGGCAT TGTGGTGCAC ACCAATAGTC 157620

CCAGCTACTC GGGAAGCTGA GGTGAGAGGA TCACTTAAGC CTGGGAGGTG GAGATTGCAG 157680

TGAGTCGAGA TTGCGCCAGT GCACTCCAGC CTGGGTGGCA AAGGGAGACC CTGTCTCAAA 157740

AAAAAATTAA AAAATTAGCC AGGTATGGTG GCCTGTTCCT GTAGTCCCAG CAACTGGGGA 157800

GGCTGAGGTG AGAAGATCAC TTTAGCTCAG GTGGTGGAGC CATGATCGCA CCACTGTACC 157860

ACTCGGCTTG GGCAACAGAG TGAGAGCCTG TCTCGAAAAA ACAAATATAT ACACACAGTA 157920

ATCAATATAT ATATTATATG TACCAATCAA TGCTTCACTT TTATATATAA TATAGATTAC 157980

ATCTTATTAG ATATATAGTA TTCCTTCTCC ATAGATAGAT AGATACAGAT ATAGACATAG 158040

TATCCTCTAT CCATATTAGA GAGAGGATAC TATATATATC TATAGCATAT AGAGATGCTG 158100

TCTCAAAAAA ATTTAAACAT CAGCCAGATG TGGTGGCCCA TGCCTGTAGT CCCAGCTACT 158160

GGGGAGGCTG AAATGAGAGG ATTGCCATTG ATCCTCTCAT TGGTTGAGCC ATAATCGCAC 158220

TACTGCACCA CTCAGCCTGG GAGACAGAGG GAGACCTGAG GTGGAAGGAT ATAGATATAG 158280

ATATATAAAT AAATATGTAT AGAGAGAATA TAATATATGT GTGTATGTGT ATATATATAT 158340

ATTATGAAGA CACTGGGAGA GAATACTATA TATATATGTG TGTGTGTATA TATATATTAT 158400

GAAGACACTG GTGGGATGGT TTCATTACCA ATTGGACCAA GAGTCCAGGT ATGGAGCCAA 158460

CATGCAATGT TGTTGTTGAC TGAGCTGGCA GAGCACTGGT CATAGTTACG GGAAAGAAG 158520

GTCTCCAATG AGACATACTT AACAAAATAT ATGAACTTGC CATATACGTG GAGAGTTCTG 158580

GTGTGTATAT AGCCTTCTCT CACCAACCTA GCAATTGTCT TCATCATCAT TATAATGCTA 158640

TCAGAGCAAA GATGACAGCT AAATTTTTTT GTCCCTTTCT TCTTCTTTCT CTTCCTTCCC 158700

CTCCCCCACC TCTTTCTCTT CCTCCTCCTC CTTCATCTCT CTTCTTTTTT TTTTTGAGAT 158760

GGAGTCTTAC TCTGTCGCTC AAGCTGGAGT GCAGTGGCAC AATCTCAGCT CACTGCAACC 158820

TCTGCCTTCT GGGTTCAAGC AATTCTGCCT AAGCCTCCAG AGTAGCTAGG ACTGCAAGTG 158880

CACACCACCA CACCTGGCTA ATTTTTGTAT TTTTAGTAGA GATAGGGTTT CACAATGCTG 158940

GCCAGGCTGG TCTCAAACTC CTGCCCTCAA GTGATCCTCC TGCCTCGGCC TCCCAATGTG 159000

CTGGGATTAC AGGCGTAAGC CACTGTACCC GGCCTCCTCC TTTAATAGAC AGGGTCTAGC 159060

TCTGTTGCCC AGGCTGGGTA CAGTGGCGTG ATCATAGCTT ACTGCAGCCT CGAACTCCTG 159120

GGCTCAGGAG ATCCTCCTGC CCTAGTCTCC CCAGTAGCTG GAACTACAGG CATAGCACAC 159180

GGGGCTAATA AAATTAATTA GGTGATAAAA TTCACTGCCC ACTGATGACT AAGCTCTTTG 159240

-273-

```
GACATAAAAG ACACAGACCT TGAAGGAAAA TGTGTCTACT TAATTTTGAA ACCCTATTTA 159300

TCAAAAAACA GGATGAAAAT GCAAATGCC  ATCCACATGC CAGAAGATAT CAGCTATAAT 159360

AAGTTCCCAT AAATCAATAA GGAAAAGAAC CCAATAAAAA TTATTAAACC ACAGTAAATC 159420

ATGGGTAAAT CACAGAGGCC TGAAGGGCTA ATGGACATAC AAAAAGAATC TCAATCTCAC 159480

TAGTGAAATC AGAAAAGCAC AAATTAAGTA CACAATTAGG TACCATTTTA AATCTGTAAG 159540

ACTGTCAAAA TCATAAATTA TATAAGTAAA GACTCAGGGA GTTTTGGAGG AGTGAGAGCT 159600

CTTATATTGC TTGTGGGGTA GAATTGGAAC AATTTCAAGA TCTGTAGTAT CTGGTAAAAT 159660

TATGATATGC ATCCCTCACA CCAGCATGTC ACTCCAAGGT ATCTCCCTGG AGGGAACATT 159720

TACGGGACAC AAGGAAGCAT GGATAAGAAT GTTCACAGTA GTATTGTCTG CAACAGCAAC 159780

AACAACAAAA AAACCCAACT ACACACAACT TCAATGCCCA GTCCACAAGG CAATGGATTA 159840

AATAAACTTC AGGCCGGAGA TGGTGGTTCA TGCCTGTAAT CCCAACACTT TAGAAGGCCG 159900

AGGCGAGAGG ACTGCTTGAG CCCAGGAGTT CAAGACCAGC CTGAACAAAA TAAAGAGATA 159960

GTGTTTCTAC AAAAAATTTT TAAAAAATTA GCCAGACGTG GCAGTGCTTG CCTGTGGTCC 160020

CAGCTACTGG GGAAGCTGAC GTGGGAGGAT TGCTTAAGCC CAGGAATTTA AGGCTGCAGG 160080

GAGCCATGAT GGGGCCATTG CACTCCAGCC TGGGTGACAG AGTGAGACCC TGTCTAAAAG 160140

AGATAAGTAA ATAACAACTT TGCATTTTCT GCCACATTGC AAAATGGTGA GAGAGTGGTT 160200

TCTAGACTCT AGACTCTTTC TATGACTACC TTCTAGTTAT GAGATCCTAC AACACTCACC 160260

TAACCTCTCT GTGTCATATT TCCTCCTCTA TAAAGCAAAA ATGCCCCATA TAGAGAGGAC 160320

TGTGATATAA AACAAGAACC AAGAAAAGTA AAGCTTTTCT AATCTGTCAC AGACTAAAGA 160380

GTGCTCAGTA TATGTGAGTC ATTATTCCTG GTGCTGGTAG GAGTGTATGT TACAACTTTG 160440

AGTCAAGTAA TATGGTACCA TATATTAAGA TTAACAACAA CCTCGGCAAT CCCAGTTTGG 160500

GGTATGTTCC CAAAAGAAAT GAAAGCACCA GGATATAAGG ATGCATGGAC TAGAAAGTTA 160560

TTGTAGCAAC ATTGTAATAA CTAAGTTCTA AAAACAGCCT GAAGCTCCAT CAGTAGGGAT 160620

ATGGTTACAT ATATTTATTA TATTCTTATG GAATATTAGA CATAAAAAGT AACGAGTAAC 160680

ATAGAAGAGA CAGTGTATAT ATGTTACGTT TGTACAAACT TAGGGAAAGA TATAGATCAC 160740

CCTACCTAGA GAAGTCAGAT TGGAGAGGGG TGGGAAAAAC CTTGAACTTT CTCCTTATAT 160800

CCTTTATATT GTTTGACTGA TTAAAATGTA TTTGTTGCAT CTGCTTGAAG GCAATGTAAA 160860

ATAAAATAAA CATACATTTA AAAATAAAAA TAAAATTTAT CCTATCACT TTTGTAATAA 160920
```

AGCTGGGCAC AGTGACTAAC ACTTGTAATC CTAGCACTTT GGGAGGCAGA GACAGGCAGA 160980

TCACCTGAGG TCAGGGGTTT GAGACCAGCC TGGCCAACAT TGTGAAACCC CATCTCTACT 161040

AAAAATACAA AAATCAGCCA GGCATAGTGG TGCGTACCTG TAATCCCACG CTACCCGGGA 161100

GGCTGAGGCG CTGGAACCCA GGAGGCAGAG GCTGCAGTGA GCTGAGATTG CGGCACTGCA 161160

AGCCAGCCTG GGTAACAGCG AGACTCCATC TCAAAAAAAA ATTTGAAAAA AGAAAAATTT 161220

TAATAAACAG TGTTTAAGAG GGGAGAAATA TTTAGTTAAA AGATAAGCCC ATTTAAGAAA 161280

TAGTTTCACT TGACCCGGAA GGCGGAGCTT GCAGTGAGCC GAGATCGCAC CACTGCACTC 161340

CAGCCTGGGC GACAGAGCGA GACTCTGTCT CAAAAAAAAA AAAAAGAAA GAAAGAAAGA 161400

AAGAAATAGT TTCACTTGAA CCATATTATG ATTCCTTCTG TAAAGATGA GAGTAGGCAA 161460

ATTGACTCAG TGAAATCCCA GCAAAACTTA CACAAAGTCT TGTTCTTCCT TCCTGTCATC 161520

TGTATAGGAT GAAATACAGA GTGCTTTTGG GTTTTGTTGT TGTTTGTTGT TGTGTATTTG 161580

AGGGGAACAC AGGTCTATAA TTCCTTTTCT GAAATCCCTG GAACAAAATG GGCTTTGCCA 161640

TTCAAATTAG TTTAGAAGTT ATAAAGGCAA AAAAATGCAT ATACTCTAAA GTTCAACCCC 161700

ATCATGGCCT AAGGCAGAGC CCTGTAATCA AATTCATCAA TATATCTGCA GCAAAACATT 161760

TATTCAAATT AAGTGGGATA AATAAAGACT TTTAAATAGT CTCATCTCAG TGCCGTTCAG 161820

GGTTGGCCAC TGTGGAAGAC AGACTCAAGG GTGGCCTTCT ATGATTCCTG CCTCTTGGTG 161880

TTCACACCCT CGTAAAATTC CTTGTCTTTG AGTGTGAGCA GGGCTTATGA ATTGCTTCTG 161940

ACCAATAGGA TATGGCAAAG ATGATGGGAT ATAATTTCTA TGATTACGTT TCATTATGTA 162000

AGACTCCATC TTGCTGGCAG ATTTTCTCTA AAGAGTCTGT CTCCTGAGCT CTCTCTGAAG 162060

AAATAACTGG CCATGTTAGA AGCCCATGTG CAAAGAGCTG AGGGGTGGCC TGTAGAAGCT 162120

GTGGGCAACC TCCAGCCAAC AGCCAGAAAT AACCAGGGCC AAAGTCCTGC AACCATCAGG 162180

AAAGAAATTC TGCCTGCTAT CTCAGTGAGC TTGGAAGTGG ATTCTTCCTT AGCCTAGCCT 162240

CCAGATAAGA ACACAGCCTG ACCAACACCT TAACTGCAGC CTTATCAGAC CCTAAGCAGC 162300

AGGCCCAACT AAGCTGTGCC CAGATTCCTG AACCACAAAA ATTGAGATAA CATATCAGTG 162360

TTGTATTAAG GTTCTAAATT ATGGTAATTT GTTTGTACTA ATAGATAACT AATATAACCA 162420

CCAAATCATT TCAGGTTAGG CCAGATTTTT GTAGCCAAAT GAATCATGAT AAAACTTTCC 162480

ATTTTCAGGG GTTTTTTTGA TTTTGTACTT ACGGATACAA ATTTGTGAAA GTATAGTCAG 162540

CACTGATTTA AAAAATCAAG GGAGCAGGAA ACTCAGTAAA TGGTTCTAAC ATTTTGGAAT 162600

```
CTGTAAATTG GTTGTAACAT TTGTCATCTG TGTTATCTAA GTCAAGTTCC TAAAATATGT 162660

GAATGATAGG TTATCATACT CACCTACTTT TCTTGCATTG CTCTAAGAGT TGGCTGAGCT 162720

ATTGATAATA AACACTATGA TCAGATCTAA TACCATGATG TGCTATTATG ATCATGTGTC 162780

AGTCACAGGG CTAAGCACTT TGTACATGTT GATGCATTTA ATTTTGATGA TAACTCAATG 162840

AAGTAGGAGC TGTTAATATT TTCATTTTTC AGAGGGGGAA ACCAAGTCAC TTGGAGTAAC 162900

ATGGCTAATA AGTGAAAGAA TAAGAATTTG AAAGGTTTGC ACAGATAACC AGAATGCAAT 162960

GCTCATCACA TTCACTGAGC AGTGAATCAT ACTAACTAGA GAAAGTATGA AAGCTCTACT 163020

GAAATTAACT AAACAACCTC TCTGGCTGTG AGCCTGCCAA GGGACAGGTG GTAAACTTGG 163080

TTACTGCATA AGGCCCCTTC TATCCACAGT ATTCAGGAAT TCTTTAGTGA ACATACCTTG 163140

ATGACTCCTT AACATTTTCT TCACATCGAA GTAAAGCTTG GAAACATTGC ACATAGTATG 163200

AAGTTCCAAG GAGACAGCCT CTGATGTTTC CAGCTTCACA GCCCAACTCC TAGAATAAGC 163260

AGAGGCGAGA GATTTCTTCA GAGGTGCATT CCATTCATTT CTATATACGC ACACCCTCC 163320

CCTCCTGCAT TCAAACAGGA CTTACCTGCT CAAAGTGTCA TTCACATTCT ATAAAGAAAC 163380

AAAAAGAAAA GGTGAGCATG GGAACATCGG TATTTCATGG GGCTTGTCAT GCAGGGCTAT 163440

TCTTCTTTGC TTTACCCGAA GAAGTAAAGA GAGTTACCCT AGTCTTAGTC TTAGATATTG 163500

ATGGATACTC AAACAAAGTA ATTCCCACCA GTCTTAGGTA TTGATGGATA CCCAGATGGA 163560

ATAATTCCTA CCAGCTTCTG GGAGATTCAG CATGGCAGGA TGTTTATCAA CATTTGCATC 163620

TATTCTCATC CTTGCTGAAG TCTGAGGGCC AGGAGCTTTG TCCATGCTCC CTCTGTAAGG 163680

ACTAGCTTTT GGTGATCGGA TTTCCTTCAC AGTGAGCCCA GATTAGAGAA CACTTATCAT 163740

AAAGGTCCTT AGTGGTGAAT CTGTGCACAG CCCTGAGACT GGGCCACTGC CACTAAGATG 163800

GTGGTAGCAG GTATCACACA GTGGTAAAGC AATCATGCTA TACACTCAGC CTTACAGTAT 163860

AGTCACCAAT CCTGTTAGTT AGAACCAGAA TTAATGGCTC CAGATGTTTA TCTTCCTACA 163920

GATAAAGCTG TAGATTGTAC CATAACAGCT CTGGAGCAAG GGTTCTACAA GCAAATCAGG 163980

GAAAAGGTTA TCACTCATTT TGGCTGCCCC ACTTCATCAC CCATCAGTCA CCTAGTGGAG 164040

TATTTCAGGA GAGAGTCAAC AACCAGGGTT CTCTGCACAT GGGCCAAGGA GGCAAACAGT 164100

GGTAAATGTT ATCCCGTGGT TTCATTTGGC CAAGCTGTGT TCCCTCAGAA GTTTATTTTT 164160

CTAATTGACA TAAAGGTACC CTATAAATTA GTGAAGGCCA GCCTGATGGC ACTGATGTAC 164220

ATCTAAAAGA AACATTACTT TATCTTCCCA TGCTTCCTTA CCATTCTCCT TTAATAGCAC 164280
```

-276-

TATAACATAC CTTTTTTCCC TACTCCAAGT ACACAGCCTC ACCTGCAGCA ATTTCTGGGC 164340

TGAGCCCTGA CATTTTTCCT CCAGTTCCAG GATGTGGCTC TTGAGTTCAT TGCTCTTCAG 164400

CCCCAGACCA GCCTCATAGT CCCTCAGTCT ACTCAGAGTC TGTTGTTCTT CTTTCTCCAG 164460

CCTCCAGAGA TAAGACTTCT CTTCCTCATG TAGGAAACAC TGGAGATTCT TAAAGTCAGA 164520

CCGGATTTTT TGTCTCTGAA TCTGTACCTT CTCCTGGAGT CAAGAAAGTA TGGTCAAAAG 164580

GTGGAAGTAA ACCAAATGTC CATCTATGGA TGAATGGATA AACAAGAATG AAAGTCTGAC 164640

ACACGCTACT ACATGACAAG CCTTGAAGAC ATTCAAGCAA AATAAGCCAG AAACAAAAGG 164700

GCAAATATTG TAAGACTTTG CTTATACAAG GCATCTGGAG TAGTTAAGTT CATAGAGACA 164760

GAAAGTAAAA TAGTGGTTAC AAGGTGTTGG CAAGACCAGA AAATGGACAG TTATTGTTTA 164820

ATGGGTAGTG AGTTTCAGTT TAGAAGATGA AAGATGAAAC TGAGTTGCAG TTTGGAGATG 164880

GGAATGGTGA TGGTTGCACA ACAATGTAAC AATGTAAAAG CACTTAATTC TACTGAACTA 164940

TATACTTAAA AGTGGTTAAA TGCTTAAGTG TTATATATAT TTTCACACAA ACACACACAC 165000

ACACACAATC AGCCACTGGG ACATTATTTT CTCATGAGTC ACTGAAGCTG GAAGAATGTC 165060

CCCAGTTTCC TGCTGCAGAG TCATGTGTGG GAGGCAGGCA CTCAGATGTG GAAGAGGTTG 165120

CCTCAGATTC CTTATAGTCA CCCAATTAAT TTTCTTGTTC TTCAGCCAAG ACACAGGAGA 165180

AAGCTGGGTT AGGAGTGCTA GATAATTTAA TTGTGAAACT AGGGCCAAGT TCAAACACTT 165240

TATCAGTTAC AAGGATAAAA AGAGGTTTTT ACTTATGATT TAAGAAGTTA GATTTCTGAG 165300

TTGGAGCGAT TTTCTTGAAG TAAAAGCTTA TAATGAACAT CACCCAGACT GGATTTTAAG 165360

ACAACCAGGC TGGTAAGAGG GTCCATAATT CTTGGCAGGG GGAGCTTTGA GTGTGACAGG 165420

CATTTATTAT GGTTAACTGA GAAATACTGT TCTACTACCC TAGGGTCATC TTAAGCATTC 165480

CTATGTGTAA GACTGACAGA AATCAAGTGA AACTCTCATC TGAGGAGATG TAAAGTTGCA 165540

ATTTCCATTA GTGCTGTCTA AATTAATGCA GTGGGAGTGT GTATTCAGGG CAATTTGAAT 165600

CTATGTTCTT GGATTGCAGT CTTCAAACTT GGCCCAAATA AACTCTCTAC TTATCTTAAA 165660

AAAATAAAAA TTAAAAAATA AAAATAAATT CATACAGTGT TTTGATGACT ATGATATAGA 165720

AGAAGGGTCT TTGACTTAGG ATGAGGTGGA ATTTTTGTGT AGGAGACAGG TGCAGCTTTA 165780

ACTCTTGTAT AGACGGGTTT TCATATATGT TAGTTACAAT CAAGGTCTTC CCCATTGCCC 165840

AAGATCCTAG AAATGGGGGA AGTAAGAGTG TACTCAGGAG CTCAAGAGCA ACATCCACAA 165900

ACAAAGATCA GGGTAGAGGT TAGAGAGGAC TCCTGAAAGA GAGAAAATTG GTAATCAGCT 165960

TGTGGGATTT TACTGCAAGC TAGTGAATTA TATAAATATA AAGATTGGTG CAAAAGTAAT 166020

TGTGGTTTTT GCCTTTACTT TAATGGCAAA GACCGCAATT ACTTTTGCAC AAACCTAAAT 166080

ATTTCCATAA AAGAATGTGG CTCTGATAAT GTGGAGGTTA GTCAGCCACG GAAATAATCT 166140

GAAAGTTTGT AGTTGCAAGT GTGTAGGTTG TTGCATTACT TGTGATGTAC TTATAAATCA 166200

AGTATAGGCC GGGTGCAGTG GCTCACGCCT GTAATCCCAG CACTTTGGGA GGCTGAGGTG 166260

GGTGAATCAC GAGGTCAGGA GATCAAGACC ATCCTGGCCA ACATGGTGAA ACCCCGTCTC 166320

TACTAAAATA CAAAAAATTA GCCAGGCATG GTAGCACATG CCTGTAATCC CAGCTACTCA 166380

AGAGGCTGAG GCAGGGGAAT TGCTTGAACC CGGGAGGTGG ACATTGCAGT GAGCTGAGAT 166440

CGCACCACTA CACTCCAGCA AGACTCCATC TCAAAAAATA GTAATAATTT AAAAATAAAT 166500

AAATAAATAA AGTATATTTC TTTCATCAGC TTCATGAGCT TGAGTAGTAT GAATTTCAAT 166560

CTGGAGTGAT CCTGTTTTCT AAGTGTTCAC AAAGCTTGGT TTCTGTACCT GTAAAGTTGA 166620

GAGCCAGATG CTCCACTGTG GTAAAAGTGC CAGGGTAATG AGTTGAGGCC TGCAAACCAG 166680

GTTTATTTTG AGGTATTTAA AGTTTGAGAC CCACTCGATG CTTTTTCTAG GTAAATAGTC 166740

ATACTAATTC TGCTTCTTCT GACTGAAGTA TCAGGAATCC CAGCCAACTA CAGTTTAAAG 166800

ATGGAAAGAT TGGTGCTAAA TACTCATGGA TGTAAACCTG GAACCAGGGG CATAAGTACA 166860

AATAATGGTT TCTTCCTTGG GTTTCATTTT TTCAATCTGG TTTAGTGAGA ATAAATCCTC 166920

ATTGTGCTTT TCCTCAATCA TCCCCTATGC CTAAGCTCTA GAATGGAAAA TAGCTTGAGA 166980

TCAATGAAGT CAGATTCTTA CTTTCCATTT AGTTATTCGC ATTGCTGTGG ACAGCTTCTG 167040

CTCCGTACAT CTGTCTTCAA GTTGCTTCAG TTTTGTCACA GCTTTCTGGA GCTTTTCCTG 167100

AAGGAAAAAT TTGATAAGTG AAGCCTATTC AATTTGACTC TTCATTAGGG ACCTAGGGGG 167160

AATCCCAATC TTCTAAGATA TATTTGAATA ATAGTGAATA TTTATAGAGT CCTCATTGTT 167220

TTTTGCTAGA GAGCATGCTA AAGGCTATAT GTGCAGGAAC ATACTGATCC CCTTGGCAAC 167280

CCTGAATAGT TGGTAGGATT TTAAACTTCA TTTCTGTGCT GTAGAAAATG AGACTAAGAA 167340

AGGGGTAAAA TAACTTGCCC AAAGGGCTAT GACTGCCAGG TGGTGGAGCA ACAATTGCAA 167400

TCTCATCTGC TGACCCAGAG CCTGAGCTAT GTCCACCACT AGAGTCCTGC CAGGAAAAAG 167460

TTGGATATAG AACAAGGTAA TCATCATCTA AAAGATTTTG TAAAACAACA TGCTGAACCA 167520

AGCAAAACCA ATACCAGTGT TTGGCACACA TGAAATTTTG TGTCTTATGA GTCAGGAAAA 167580

ATCAGGATGC CAGCTGGTTA TTAGAAACAG TTCATGGAAG AGGGGAATTC TGGTATCTTT 167640

-278-

TGAACAATGG TATCATGAAT CCAATTTAAA ATGATTTAGT ATTCATGTCA AGCTTTTAGC 167700

TTATTCTTCA AAACAGTTTC TCATATTTCT ATTGAAAGTG ATTTGAAGCT GACCCAAATT 167760

GCTAATTGTA GTCAATGCTG AAAGAATTGT CTCCTGTCCT CTGTAAACCC AACAAGTATA 167820

CTCATTCATT CTCGAGTGTT CTCAGGAAAA GGTTCTATGT AACTGTTTTA GCAAAGATG 167880

ACATTGTCCT TACTATATGC CAAGTGCTAT TCTATGCATT CTATATTTTA ATGTCCTCAA 167940

AGCTTATAAC CACCTCCTGT GTATGTGTTT TAGGGAGGGA GGACACTGCT ATTATCCCCA 168000

TTTACAGATG GAGAAACCAA GGTGTGAAGA CATTAAGTAA CGTGCCCAAA ATTGCCCATC 168060

TAGTAAGTGA CAAAACTCAA TTTCAACATA AGCTGGTTCC TTTTCTTACT ACTTGGTGGA 168120

AAAGTAATTC AAATGGGAAT ATGATCATCG CAGTTATTAG CTGCTCCATG GAGTTTAAGG 168180

AAGAGCTGCC ATGAGCTGAG TGGTGGTCAT GATTGACATG TCCTTAGAAG GACTTAGAGC 168240

CTTCATACAA GACCACCTCT GCCTCATGGA GGACAGAATA AGGAGCCTGA CACTGGAGAC 168300

AACATTTTCC TCAAATTTAG GCAGGACAGA GAAGGAAAAA GGACATCAGG ACTATGCCCA 168360

TTCCTCCATG CTGCCAACAG CAAAGTCCCA CCTTCCTTAA TATGCTTTCT GGCAAGAAAT 168420

CTGGATGGTA CACAAAACCT CTCCCTCTGC TTCACCTTCC ACAACCAAGC ATTTCCAAAT 168480

CTTTGACTCT TCTTCCTGAA TCGTGCTTAA AATCTGCCCT CTCCTCCCTT TCTTATACGG 168540

ATAGTTTGAA TTTTACTCCT TGATATTCCT TTTATCATAG ACATGCCACA GTAGCTGGGC 168600

ACAGTGGTTC ATGCCTCTAA TCCCAGCATT TTGGGAGGCT GAGATGGGAG GGAGACCAGG 168660

GGTTTGAGGC CAGTATAAGC AAGAAAGGCA GACCATGTCT CTACAAAAAA TAAAAAAATT 168720

ATCCAGGTAT GGTGGGGCAT CCCTGTAGTC CTAGCTACTT GGGAGGCTGA GGTGGGAGGA 168780

TTGCTTGAGC CCCAGAAGGT TGAGGCTGCA GTGAGCCGAG ATTGCACCAT TGTACTCCAA 168840

CCTGGGATAC AGAGCAAGAC CCTACCTCAG AAAAAAAAAA AAAAAAAAAA AAAGTAGAGG 168900

TACCAGAGTG ATATTTTCAA TGTCACTGAC CCTTCATTCC CCAAATGAAA ATCCCCCAAT 168960

AGGTGTTCAA TTTTTACGTG TCCTTCAGGA GTTACTTCTA AGATGAACCA CTCTCTACCC 169020

TAAATGTCCC TCCCCACCAC CAAAACCAGG GACCTCCAGG CAGACATTTT TGATGGTTTG 169080

TTTTCTTTAC TAGACTGTAG ATACCTAAAA GGTGATGGGT CTTTCTTCCC TGTTTTCAGG 169140

CCCTACTGCA TGGCTTTACA TATTGTGGTT TTTCAAATGA TATTCATGGT GTGAAACAAG 169200

AAAAAATGCG GGTGTTTGGT TTGAGAACAA CCTGTTCTAA AGCAAAAAGA AATTCATCAT 169260

AACACAAATG GATAGAGATA AGAGTCCAAC CATCCCATTG AAGGTCAGGA TGGACAGTCT 169320

-279-

AGATAATTGA GCAAGAAATC ATCATAAACT ATTTTTCAGA AGAATGACAT GATGAAAGCT 169380

GTATTTCCAA GTCATAATGT TAGGTTTCAA GTTAAATCAT CTCAGCTCCT GGGGAGCAGG 169440

ATAAGACTTG GTACTTACCA AAGCTCCCGG GCCCACACAC TCACCTTGTA GCCCTGGCAT 169500

ACGTCTTCAA CAAGAGCTGT GGTGTGCCCT TTGTGCTGTG GTGCCCGCTC ACAGCGCCAG 169560

CAGATGAGCT GCCCCTCATC TTCGCAGAAC AGGTGGAACT GCTCTCCGTG TTCCTCACAT 169620

GACATTTCTT GATCCGTCTC TTTGAGGGCT TCAATGAGGC TTCCCAGCTG CTTGTTGGGT 169680

CGGAGGCTAT CCATATGAAA TGGAGCCCGA CACTGGGGAC AGCAGAATGT CTCCTGCCTC 169740

AGTTGCTTTT GGCTTGGGTT TTTAAAGAAG TCTGTTATAC ACAAGTGGCA GTAGCTGTGT 169800

CCACAGTTGA TGCTTACTGG GTTCGTCATC AGGCTCAGGC AGATGGAGCA GGTGGCTTCC 169860

TCCATCATCT TCTTGGTGCT GGTGGTTGAG GCCATAGCTT TTATTGAAAA GCTCCAATAT 169920

TGGCTCTAGA GATGGAGATG AAGCAGCCAG AATTTTCCAC CGTGATGAAA ATACACCTCA 169980

CCTGCACCTC TATGTGATGA GCTGGCTGCA ACTGACTTCC ATAGGTCTTG AAGGTTTTCC 170040

TTCCAACCCC TATTATCTCA TTTTGTATTG AAGAAAAGAG GACCTAAAAG GAAGAAGTTG 170100

AGGCTGAGGT TGTTTGGGCC ACGTTTGAGA ACTGCAACCC AAGTGCAGAG TTTCAAGTTG 170160

CCCTCATTAG CAAGCAGTTA CAAGTGGTTG TTTAGAGGAA AAAAAGCAGT TTTAAAGCAG 170220

TTTTAAAGTT GTTTGCCAAG AATTTACATT AAAATAGCAT AAGCTTTTGA CTGGCTATAC 170280

ATTGTTCTTT GTATTACAAA TCTCGGGAAT ATGTAGGTAA TAGATGAGGC AGCCAGTCAG 170340

GAACAAAATG CTTTTAAACA TGGGGTCTTA ACTGAAGACC TATACTCCTG CCTCACTTGT 170400

CCTGATAAAT TTTGCATACC TCACATAGCT CAGACTGCTC TAAATTATTT CATTATTTTT 170460

CTTTTCTCAG TCTTCTAACT TTTTTTTTTT TTTTAATGA GACGGAGTCT CACTCTGTCA 170520

CCCAGGCTGG AGTGCAGTGA CGCTATCTCG GCTCACTGCA CCTCCGCCTC CCGGGTTCAA 170580

GCGATTCTCC TGCCTCAGCC TCCCGAGTAG TAGCTGGGTC TACAGGTGTG CACCACTACG 170640

CCCAGCTAAT TTTTGTATTT TTAGTAGAGA TGGGGTTTCA CCATGTTGGT TGGCTAGGAT 170700

GGTCTCGATC TCTCGACCTT GTGATCCACC CGCCTCAGCC TCCCAAAGTG CCAGGATTAC 170760

AGGCATGAGC CACCGTGCCC AGCCTCTTTT TCTTTTCTTA TAAGACAAGT TCTCGCTCTC 170820

TTGCCCAGGC TGTAGTGGAG GGCAGTGGCA TGACCACAGC TCACTGCAGC CTCGACCTCC 170880

TGGGTTTAAG CAATCCTCCT GCCTCACCCT GGCAGAGTGG CTGGGACTAC AGGTATGTGC 170940

CACCATGTCC AGCTAAAGTC TTCTCTCCAG AAAGAAGAAA TGCATTGGAA TTTAGAGGAT 171000

-280-

```
ACACAAACAT CTAGCTGTAT AGCTAATACA GTAGCCACTA TCATGAGTAG GAATTTAAAT 171060

TTAACTTAAT AAAAATTAAA ATGAAAAAAT TCAGTTTTTC TGTTCCAGTT GCCACATTTT 171120

GATTGCTTAA TAGTTGCATG TGACTAGTGG CTACATAACA GCCTCAATAT ACAACATTCT 171180

GTTATCACAG AAAGTTACCT TGGACCAAGT GCTGGGAGAA GCAATGCAGG CTTCCTCACA 171240

AAAGCTGTAA AAGAGAGAAC TCAGGGAGTG TGAAACTCTT TCCTATTCTA GTTAACTTCA 171300

AGAATAATTG TTACCAGGCC AGCACGGTGG CTCACGCCTG TAATCCTAGC ACTTTGGGAA 171360

GCCGAGGCGG GCAGATCACC TGAGGTCAGG AGTTTGAGAC CAGCCTGACC AACATGGCAA 171420

AACCTCATCT CTACTAAAAA TACAAAAAGT TAGCTAGATG TGGTGGTGCA CACCTGTAAT 171480

CCCAGCTGCT CAGGAGGCTG AGGAAGGAGA ATGACTTGAG CTCCGGAGGG GGAGGTTGCA 171540

GTGAGCCCAG ATTACACCAC TGCACTCCAG CCTGGGTGAA AGAGCGAGAA TCTGTCTTAA 171600

AAAAAAAAAA AAAGAATAA TTGGTACCAG AATTACTCTT TGTAATTAGT AGTAACACTT 171660

ATGCAATTGG GTGATCTGTG ACAGATTCCA TTGAAGGAGT ATGGGGAGCT TCACCCCAAT 171720

ATATGACTCC CTGGTATAAT GAGTATTTTG AATTAAAGGC CCTTAGAGAT CAGCAGATGC 171780

TGGAAGAGAC TTTTCCCCTA TCTACATAAA GACCAGTCAC ACTAGACAAG AAGAACAATT 171840

GTTTTTCCTT CCAACCCCTA TTATCTCATT TTGTACTGAA GAAAAGAGGA CTAAGAATGT 171900

AACCAGACCT AATCAGACAC TTTCACAAAA TAATGTCTGT CTCTCAGGCT CATTCATTTT 171960

CCAAAGAGAA CCATTTACAA GTTAAACTCT GTTCCTCCAT TCATTCATCC TCCCAAATAT 172020

TCATTTATTC TCCCTAGTAA TCATTTACTG CCCCTCAAAG AATTACCTAT ATTCTCCTGA 172080

TATCACCCTT CCCCTCTGAA ATAAATATGT ATACATGTAT AAACGTTATA CATACATATT 172140

TATACAGTAT ACATACATAT TTATACATAC ATACATATGC ATACATATTT ATATTTATGT 172200

ATTTATACAT AAGTATTTAT AAATAAGGCT ATATAAGTAT CTACCCCCAT TGGCAGAGGG 172260

GGTAATCACT CTGTGATTCT AGCCCATGTA CTTGTTAATA AATTTGTATG CCTTTTCTCC 172320

AATTAGCCTG CCTTTTGTGA GTCGATTTTT CAGTGAACTT CAGAAGGCAA AGGGGAAGTG 172380

TTCCCTTGGC TCCTACACCA TCATGACAAT AAAATTTGAC TCCACCTCGA CCCCCCCCAT 172440

CCCCCACAAA GAACAACAAC CAACACTGGT TAATAAGGTC GGTTGTTTTT TGTTTGTGTT 172500

TTTGTTGTTG TTGTTGTTGT TGTTGTTTTT GCTTTCAGGA GCAGAGGTAT AATAGGCAAA 172560

AGAAAGAGAA AGGAGAATAG TGAATACCTC TTCTGCAGAG AGGGGTGCCT AAGTGGGACT 172620

TCCCTGGCTA ATAACGTCTT GCTAGAGACC CAACCAGGAG GATAATGGAA GCAATCAAGG 172680
```

-281-

```
CAACCAGAAC AACCAGAAGA ACCAGTTTAT CCTTTTTGTG CCCTCTCCCT AAACTGAGGG 172740

AATAAGAATT GGAAAGAAGG CTGCAGAGCA GAGGGTTTGC TCCTGAGGAG CAGTTATTTC 172800

TATGGGATCA GAGCTCCTGC AGAACTGGGG AGTTTACTTT TACTATCTCT TCTCCAGGAC 172860

AGGACCTATC TCAAGAGACA TGTTCAGAGT GATTGCAACA TAAAGAGTTT GCAGACCCAA 172920

GGAGGTAGGG AAGGCAGAAA GAAGATGGGG GAGGCCAGGG ATAGGCAACA GAGGAGTGAC 172980

CAGGAGCGAA AAAGCCTGCC TCTTCTGAGA ACCTAGCTGG GCTCTCCCTG TACCCCCGAT 173040

CCCTCCCCCC CGCCCGCCCC CACACCCCTA CTCCTGGGAG CTCCTCTAGG ACAGGGGCAG 173100

AGTCAGGAGG AAGTTTGAAG AGTGCCTAGA ATAAAAAACA GTAATTTAAC TACAATTACC 173160

GGGTAGGCTG TTTTCCTCTC ACAATTTGAT CAGTCTCTTG AAGCCACACA GAATTTCTTC 173220

TGAAGACGTG TATTCCTTGG CAGGCTATTT CCTCCAGTGA TACACCAGGC CCCTCTCTGC 173280

TGGGGTCACT GCTCTTCTGG GGAGATGGGG CTCCCCTCCT TCCAAGGCTC CAGGGTTCCT 173340

GTCCTGGGCC CCACTCATCT AAGTTCTGAA TCTTCTGAGA TTTGGTGTAA AGTCTGGTGA 173400

AAGAAAGAGC AGGAAAGAGG TGAGAGCTGT AAAACAAAGA AAGTCCTGAC CATTTTCAGA 173460

GTTGGAGGGG CCCTGCTGTC ACGAAATATA TTCCCCACCC CACTTGCCAT CAGTACACAC 173520

TCACATATCC ACTGAGAAAA CCTTAGCCTG GACCTTTTCC GTAACCTTCA CTGCTCAGAC 173580

ACTTACATAT TCGCTGCTAG TCCCCTCTGT TGCTGCCACT TCCTGGGTCA GGAAGTTAAC 173640

TCAGACCGGA TTAAACTGAG AAGTGAAACT ACTGTGGGAG GCGGGGCTCA TAAGATTTAG 173700

GAGAAAACTA GTGACGTTGT TCATATCATT TGCACTCCGC CTCTCCGGTA AAGGAGGGGG 173760

AAACGTAGGA AGAAAATATC CTTCTTTTAC AGCAATAAAA AGAAGGAACC AATTAATAAC 173820

CCTGTAAACT ATCATGTGAC CCCAACACAG AGTATCTAAA AACAGGAAGC CTGCAGAGGT 173880

TCAGTTCACA GACTCTGATT TGAGATCTTT CTACTTTTGC CACCAACTCC CTTGGGAGTC 173940

CTTAAGCCTT CCTAGCTGAT GTTACTTCTT TTGCTATTTA TGGGTTGCTT GTGGTTCTAT 174000

AACTGCTCTG AAGGGTGTGG TGGAAAAAGG GGTGGTAACA GCAGTAGGAC TCATTGGCAT 174060

CACAAAATTC ATCTGAGTCA GCTTTCTATT CTTCTCTGTC CCGTTCTGTG TCTTGTTTTT 174120

CTCCTTGCTG TCCTTCTGCA GGACTCAGAT CTTCTTCAAT AGCGAGGGTC AGCCAGGATA 174180

GAAAATGGGA GTCACTAGTG GCCCAGCAGT GAGTGCCCCC AGCTTAGAGC TGTGTGGGAT 174240

CCCTGGGACC ATCACTCTGC TTTGTGCTTT GTGGAGAAAA GGCTGTGGGG TCCAGGGTCA 174300

AGTCCTTAAT GACTTAGCTC CAGCTTCTCC ACTTCAAAAT GAAAGGAAAA GTACTATCAC 174360
```

CACCCGTTAG AATTATTATT TCATGGGGAA AAAAGATGGA TTACTATCTC ACAATAAGAG 174420

CTTGTCACAT TTATAAGTCT CAGGTGTAAG AGGCATTTAT GATAACAACA TAATAAATGC 174480

TGGCTTAAGT AGATGCAGTG GTCCAAGGGA ACCAGTAAGG GGAGCTCAGG ACACAGGTGG 174540

GAGGAGAAAT TAAACTTGAA TTCTGGGAGC CACTGGCCTG TCTGGGCCCC TGGCCTGCCT 174600

GCTGACCCTG ATAGCCAATG GAACATGGAG TTTGGCCCAG CTGCAATCCC TCTGGTCCAA 174660

CTACTCAAAA TAAAGGCAAG ATTGGGAAAC ACGTTCCTTT CTTCCTATAC CAAGCAGAAG 174720

ACTCTTCAGC ACTGCACCCT CCTGGGTGCT CACAGAGCCT TCTGTTGTTT TGCCACCTAC 174780

GATTCATCAT GCCCTGGCAT GATGGTTGCA GACCCCATGC ATAGCATGGG ACATTCTACT 174840

CCTGAGGCAA CCAGCACACA GAGAGAGGAG AAAGAATGAG CCCCTGAATC CTTGGTCCCA 174900

CGATGAGTCC TTGCAGATAT CTACAACTTT CATTGTTGTG GATGTGACTC TGTACCCAGG 174960

CATGGCTCAT TCCAGATCTG TCCTATTGTC AGAGGTGTTC AAACCAGAAT GACTCCATTT 175020

TGAATGGGGG CTAGGTAAAA TAAGGCTGAG ACCTACTGGG CTGCATTCCC AGGAAGTTAG 175080

GCATTGTAAG TCACAGGATG AAATAGGCAG TTGGCACAAG ACACAGGTCA TAAAGATCTT 175140

GCTGATAAAA CAGGTTGCAG TAAAGAAGCT GACCAAAACC CACCAAAATC AAGATGGCAA 175200

CAAGAGTGGC CTCTAGTCAT TCTCATTGCT CATTATACAC GAATTATAAT GTGTTAGCAA 175260

GTTAGAAGGC ATTCCCACCA GCTCCATAGT GGTTTATAAA TACCATGGCG ATGTCAGGAA 175320

GCTACCCTAT ATAGTCTAAA AAGGGGAGGA ACGCTTGGTT CTGGGAATTG CCCACATCTT 175380

TCCCAGAAAA CATATGAATA ATCCACTCCT TGTTTAGTAC ATAATCAAGA AATAACTGTA 175440

AGTATCTGTA TTAGTCCATT TTCACACTGC TGATCCAGAC ATACCTGAGA CTGAGTAATT 175500

TATACCAGGA AAAAATGTTT CATGCTCTTA CAGTCCCACG TGTCTGGGGA GACCTCACAA 175560

CCACAGCAGA AGGCAAGGAG GAGCAAGTCA GGTCTTACAT GGATGGCAGC AGGCAAAGAG 175620

CTTGTGCAGG GAAATTCCTT CCTATAAAAC CATCAGGTCT CATGAAACTT ATTGACTATC 175680

ATGAGAACAG CAGTATAAAT TACTCAGGGA AAGACCTGCC CCCATGATTC AATTACCTCC 175740

CACCAGGTCC CTCCCACAAT ATGTGGGAAT TTAAGATGAG AGTTAGGTGG GGACACAGCC 175800

AAACCATATC AGTATCCTTA GTCCAGAAGC TGATGCTCTG CCTGTAGAGT AGCCATTCTT 175860

TTATTCCTTT ACTTTCTTGC TTTCACTTTA CTGTGTAGAC TTGCCCCAAA TTCTTTCTCA 175920

CACGAGATCT AAGAACCTTC TCTTAGGGTC TGGGTTGGGA CCCCCTTTCT GGTAACACTA 175980

TCAAAGGATC AGGAAAAGGA AGCTAGTGAA TGCTAAAAAG GAAACAAACT ACCATTACCA 176040

-283-

```
ATAATAACAG CAAGACAAAA GCAAAACGGA TTGTGACAGC TGTCCCATCT CACACCTGTT 176100

TCCCATTGCA GGAAGGAGGG GCTGGTTCAT GCACAGAGTG GCCAATATTA GAAGCAGAGA 176160

GGGGGTGCAG ATGAGACTTC AGGAATATGT TGACAAAGGC AGGCCTAGGG AGAAATCAAC 176220

CTGAACTATC CCCAAGGAGG AATGCATTAT CTCTAATATG TAAAGTTAGG CTTGATCCTG 176280

TGATTATGGG ATATAGGAGT CCAAAGACTC ACAATGGGAA GTAGGTCACT AGAGTCTCCT 176340

TCAGAAGCTC TGTACTGTGT GTTCCCACTG TGGGCAAGAG TCAGCACTCA GCTATTCCTA 176400

GAATGCCTTT CCTCAACTCC TTCAGATTTT GCCTCTCAAC TAACCCTATC CTGACCACTT 176460

GTTAGCAAGT GTACCCTCT CTCCCTCCCA AACATTTCA AATCTATTTT GTTCCCATGG 176520

CACTTATCAC TGAATATTTT ACTAATTTAT TTTGTTTAGT GTTTGCTTCC CTCATGAGAA 176580

TGCAAAGGGA TGGATTTTTT TCAATATTGT TCACTGATGA ATCCCAGTAA CTAGAATATT 176640

TCTAAGCATA GTGATGTGCA TTAAATCAAA GAGTAACTTT CTGAATTGCA CTAAACACAC 176700

ATCACAAGAG GTGTGTGCAC ATATGTGCAT GATGCACGTA GTGTGGTGTG GGTGTTGTGT 176760

GGGGTATGTG GTACTGTGTG TGCTGTGTGT GGTATGTGAT ACATAGTTTG TGTTAGTGTG 176820

ATGCATGTGA TGTGGTATGT GTGTGCGTGT CCATACATAT TAGGGGTGGC GGGGATGTTA 176880

ATATGTCAAA TGGTACTAGA AAGTATCAGA ACTCATGGTG CTTACTGGTT TCCCAGAGAG 176940

CTGCTTCTCT CCCACCTGTA GGATATACTG ATGGTTTGGA CAGAGAAGAA ATAAAAGAA 177000

GGCTGTGACC TACTGGGCTG AGGAAATAAA AACGAAAGTA AAAGAAGAGC TGGGAAAAGA 177060

GAGTGGAGGG GCCAAGGGAA ATTTCCCCTT TGGCTTCTGG GGAAACTTTG CTGAAAAATC 177120

AACTCACAAA TTTATTAACA TGTACACAGG GAGAACCATA GAATGATTAT CCACTTCCCA 177180

AGAGGGCTTA AAAGCTTATA TATTATCCTG GCAAACAGA TTATGGGAGG GGAAGAAGAG 177240

AAACTCTGTT GATGGGATTA CTGTTGCGGA TTTTTGCTCC TTCGCTCAGC TAGGTCCGGG 177300

TTTTTGTCTC ACAGCCAGGA AGAATTAGGC ATGCAGCCAT CAAAGAATGA GTGGAGTAGA 177360

ATTTATTAAG TGAAAGGAAA GCTCTCAGCA AAGACAAGGG TCCTGAAAGC AGATTTCTGG 177420

TTTGCTCTTC ACAGTTGAAT ACTAGGGCTT AAGACTCAAA TTCCTGACAA CTCCACCCTG 177480

TCCTACCAGT GCATGCAGGC CTTTAGACTG AGCTACTCCA TATTGATTAA TTTCCTGAAC 177540

TGCGCATGTG TTAAGGAAAG GAATCATCCA CTGCAGGCAT GTTTAGGCAA GCCCCCTGTG 177600

CAAGTTCCCT TATCTGCACA AAACATCCGG TGTAAGCACT TGTGGGCAG GTCAGAGGTT 177660

CTCTGGGTAC CATTCCCTTA CTGTCTGCCT AAAGCAAGCT GGCCAACTCC TTTCATTACT 177720
```

```
AGGGAGAGTA AGTAGATCAG GGAACAGAGA TTAACTTGAA CATTATCTTG TGAAAGTCCG 177780

TTCGGGCATG GTTACATTCT TGGTCTTACA GGAAGGGTAA ATAAAAATAA TTGCTCTTTT 177840

TGGTGGGTCT GGATCTTAGG TAGATAAAGA AACTTTAATT CCACGATGTG TTTTGGTAGG 177900

GATAGTTGGT GGCAGGGATG TCAGAGAGAC TTTGAGGCTT CTTCAGTTCA ATATGACCAA 177960

GGGCCATATA TTAGGGTATC AATTTCTGAG CCCCAACAAG AGCTTAGGAG AGATGTGATA 178020

GCATCACAGT GTGAAAGCAA TTTTTTGTCT GTTTTTAGAG ACAGGCTCTT GCACTGTCAC 178080

CCTGGCTGAA GTACAATGGT ACGATCACAG CTCACTGTAA TCTTGAACTG GGTTCAAATG 178140

ATCCTCCCAT CTAAGCATTT CAAAGTGTTG GGATTACAGG CATGAGCCAC GGTACCCAGC 178200

CTGAAACTGC ACCCACTTTC TGATAAACTT TTCAAATGAC TAAAGGGGAG AGAGTAAGCA 178260

CTACTCAGAG GTAGGAAGAA AGGACACAGG ATTATAGGAT TAAAACAACA ACCACCAAAA 178320

AAAACCAGAC CGGTGTGGTG GCTCACACCT GTAATCACAG CACTTGGGGA GGCTGAGGTG 178380

GGGGGAGTCA CTGGAGGCCA GGAGTTCGAG ACCAGCCTGG CCAACATAGC AAGACGCTGT 178440

CTCTATTAAA AAAAAAAAAT ACCTGCCTTG AGCTAATCAG AATCATGGAC CCTGACAAAG 178500

GATGTCCCAA AGTAAGTCTT AGCATTTTTT TTTTTTTTTT GAGACAGTCT CGCTGTGTTG 178560

CCCAGGCTGA AGTTCAGTGG CGTGATCTCG GCTCACTGCA ACAGCTGCCT CCCAGGCTCA 178620

AGCAATTCTC CCTGCCTTCA GCCTCCCAAG TAGCTGGGAT TACAGATGCC CACCACCACG 178680

CCTGGCTAAT TTTTGTTTTT TTTAATAGAG ATGGGGTTTT GCCATGTTAA CCAGGCTGGT 178740

CTTGAACTCC TGACCTCAAG TGATCTGCCC ACCTTGGCCC CTCCATAGTG CTGGGATTAC 178800

AGGCGTGAGT CACTGCACCC GGCAAAGTCT TAGCATTCTT TACAAACAGT TTGTACCCGT 178860

ATCTCTAAAA GGGAGTAGTG AATTTCACCC CAAAATATGG CTTCCTGATA TAATGAGTAT 178920

TTTGAATGAA AAACTCTTAG AGATCAACAG ACACTAAAGA GACTTTCCC TAGGTACATA 178980

AAAATAGGAT GGCCCCACCA GCGAGAACAA TTGTTCTTTT CTCCCTCCCT GTTATCTCAT 179040

TGTGCATTAT AGGAAAGACC AAGAATGTAA CCACACCTGA ACAGACCCTT TTATAAGATA 179100

ATCAGTCTCT AAGCATCATT TAAATTCCAA GGAGAACTAT TTACAAATTT ATCTGTTCTT 179160

TGATCCAATT AGTCTCTCCT GGTAGTTACA TATTGCCCCT CAACAGAATT CCTCTTCTTC 179220

TGTTTCCCAT AACCTATTTT GCAAGGATCA AGCCCTGTT ACTTCTTCAA CTTCAAGTTG 179280

GCATATAAGC TTCTAAATTC CACTGGGATA TTGGTACTAT GTGCATGAGG AGAACCACAG 179340

AGTAATTAAA TTGTAAAGCC TTTTATCTTA TGAATCTGCC TTTTTTTGTG TTCATTTTTC 179400
```

-285-

AGCAAAACTT CCAAGGGCAA AGGTATAAAA CAAAAATAAA ATTCTAAAGC CCCCCAACCA 179460

TCTGAATAGA CTTTCTCTTC AGTCAGGCTT CTTAAAATGT AACCTGAAAG ACTGGCTCAG 179520

GCCATTAAGG GAAGTGGGGG TTGAACATGC CTCATTATTC CTCTCTGGCA TTAACATCAA 179580

CACAGCTTTT AAGTCTGATA AGAAACATTT TACAACCTAT TCTCTCTGAA GCCTGCTAGC 179640

TAAAAACTTC ATCCCATAGT ACAACTTTGG TCTTCACAAC CTGTTATCAC AACCTAGTGC 179700

TCCTTTCTAT TAATCCCAAA TCTTTATACA AACTCAACCA ATTGTCATCA CCTCCACCCC 179760

ACTCCTCCGC TGCTTCCAGT TGTCCCGCCT CTCTGGACCA AACCAGTGTA CATTTCTTAA 179820

ACGTATTTGA TTGATGTCCC ATGCCTCCCT AAAATGTATA AAGCCAAGGT GCATCCCAAC 179880

CACCTTGAGC GCTTGTTCTC AGGACCTCCT GAGGGCTGTG TCATGGGCCA TGGTCACTCA 179940

AATTTGGCTC AGAATAAATC TCTTCAAATG TTTTACAGAG TTTGGCTCTT GTCATGACAC 180000

AGATGACTGC TTCACTGAAG CCTGCTCTGG AAGTGAGTGG GGGTTTTGCA AGGATAATTT 180060

TCCCCGGATA GCCCCAGAAG CAGCTAGTAA TAATACACTT AAAGGTAGCT AAAATGCATT 180120

GAACACTTGT TTTGTGCCAG ACCTATGTCA ACATTTGCTT TGTGCCAGGC TTATGCCAGT 180180

ACTCCTGATT TGTTAATACA TTCTAAATAA AAATTCTGGA GTTTCAAATA TAATAACTGA 180240

AAAACAGAAA ATAAATAAAA ATATATAATA ACTGAAATAA AAATTTACTA AGGCTGGGGA 180300

TGGTGGCTCA CTCACACCTG TAATCCTGTT ACCGGAAAGG GGTCCGTCCA GATCCAGACC 180360

CCAAGAGAGG GTTCTTGGAT CTCACACAAG AAAGAATTCG GGCGAGTCTG TAAAGTGAAA 180420

GCAAGTTTAT TAAGAAAGTA GAGGAATAAA AGAACGGCTA CTCCATAGGC AGAGCAGCTC 180480

TGAGGGCTGC TGGTCGCCCA TTTTTATGGT TATTTCTTGA TTATGTGCTA AACAAGGGGT 180540

GGATAATTCA TGCCTCCATT TTTTAGACCA TATAAAGTAA CTTCCTGACG TTGCCATGGC 180600

ATTCGTAAAC TGTCGTGGCG CTGGTATGAG CATAGCAGTG AGGACGACCA GAGGTCACTC 180660

TCATCGCCAT CTTGGATTTG GTGGGGAGCA GTGAGGATGA CCAGAGGTCA CTCTCATCGC 180720

CATCTTGGAT TTGGTGGGGT TTAGCCAGCT TCTTTACTTT TTTCCTTTTT TTTTTTTTT 180780

TTTTTTTTTT GCCCAGGCTG GAGTGCAGTG GCACGATCTC AGCTCACTGA AACCTCCAAT 180840

TTCTGAGTTC AAGCGATTCT CGTGCCTCAG CCTCCCAAGT AGCTGGGATT ACAGGCATGT 180900

GCCACCACAC CCAGCTAATT TTTTATATTT TTAATAGAGA CCGGGTTTCG CCATGTTGCC 180960

TACGCTGATC TCCAACTCCT GCGCTCAAGC CATCCAGCCA CCTTAGCCTC CCAAAGTGCT 181020

GGGCTTATAG GTGTGAGCCA CCCCACCTGG CCTAGCCGGC TTCTTTACTG CAACCTGTTT 181080

```
TATCAGCAAG GTCTTTATGA CCTGTATTTT GTGCCCACTG CCTGCCTCAT CCTGTGGCTT 181140

ACAATGCCTA ACTTACAGGG AATGCAGCCC AGCAGGACTC AGCCTTATTT CACCCAGCTC 181200

CTATTCAAGA TGGAGTCTTT CTTGTTCAAA TACCTCTGAC AAGCCCAACA CTTTGGGAGG 181260

ATGACACAGG AGGATTGCTT TAGCCTAGGA GCTCAAGACC AGCCTGGGCA ACACAGTGAG 181320

ACCCCATCTC TAAAAAAAAA AAATACAAAA AAATTAGCCA GGCATGATGG TGTGTGCCTG 181380

TAGTCCCTGC TACTCAGGAG GCTGAAGTGG GAAGATGGCT TCAGCCCAGG AATTCAAGGC 181440

TGCATTGTCA GAGGCATTTG AACCAGAATG ACTCTATCTT GAATAGGGGC TGGATAAAAT 181500

AAGGCTGAGA CCTGCTAGGC TGCATTTCCA GTATGTTAGG CATTCTTAGT CACAGGATGA 181560

GATAGGAAGT CAGCACAAGG TACACATCAC AAAGACCTTG CTGATAAAAT AGGTTGTGGT 181620

AAAGAAGTTG GCCAAAACCC ATCAAAACCA ACATGGCCAC CAAAGGGACC TCTGGTTGTC 181680

TTCACTGCTC ATTATATGTT AATTATAATG TATTAACATG CTAAAAGACA CTCCTACCAG 181740

CATCATGACA GCTTACAAAT ACTGCGGCAA TATCTGGACT TTACCTTATA TGGTCTAAAA 181800

GGTGGAGGAA CCCTCAATTT TGGGAATTGT CCACCCCTTT TTTGGAATGC TCATGAATAA 181860

TCCACCCCTT GTTTAGCACA TAATCCAGAA ATAACTATAA GTATGCTTAT TTGAGCAGAC 181920

CACGCTGCTG TTCTGCCTAC AGAGTAGCCA TTCTTTTATT TCCTTACTTT CTTAATAAAC 181980

CTGCTTTCAC TTTACTGTAT GGACTTGCCC TAAATTCTTT CTTGTGTGAG ATCCAAGAAC 182040

CCTCTCTTGG GGTCTGGATC AAGACCCCTT TCTGGTAACA TCTTTCTGGT GACCACGAAG 182100

GGACAATACT GAGGAGACTC TGAAGCCAAA GGAAACAGAC TACAGCACCA ACTGGCTGAC 182160

TTTGGGTAAG TGGTGGAGTC CCCGGGTAAA GGATAGGATT GGGTTAGAGG TGCAACTTAG 182220

GGGAGATAGG GTCTCTCCTA AGACAGAGAG CGTTTCAGTC CGCTCTTAAT AAAGGGCAAG 182280

AATGCTTGAC CGAACTTGGG TTTGAGACCC AACTTAGGAA GGCTACAGTC CTTAAGATTT 182340

AAGGGGTTAG AGGCCCCTCT CAGTAAAGTC TCTCTTGGTT AAAAACGGAT TTAGCATTAG 182400

GGGATGTTAA CTGCTATTCT GTTTGTATTA ATCTTCCCTG TGCTCTTTGC TGACAGCTAT 182460

GGGTGACAGG ATTAGGCATG TACAGGATCA CGGGACATTG GGAACTTTTC TTCTCTCCAA 182520

AAGGGGAAGC TTGACAGCTG ATAGGACTGT TGGAAAAGAT CCCTTTGCTA TGACAAGCAG 182580

CCGCCTGAAC TTTTGATTCA GTGTTGCTGC AATGGGTGGG TCTTTCTCTG GCCTCTGTGA 182640

ACTCCTCACC TTCCCCACCT CACCACAGGC AATGCTTTTC TCCCTTTCTC TCTTTTCTCT 182700

TTTCTGTCTT TTCTGTTACT TGAGACAACC ATCTTGCCCA GAGACCATAT GTTGAAACTC 182760
```

CTGGTCAGAA GTTTGATTAA AGATGAAAGG GCCTATCTGG GGGCAAGTTT GAGCCTTCCC 182820

AGTTAGATAT TGGGTGCTAA GTGGAGTGGC CAATGTCTAT GTTTTGTCAC ATGTATATTG 182880

CTCTGGCTGA AATGGAAAAC GTTAATTTGG TTACTTTATG TGGCCATTGG GCAGCATCTT 182940

ACAAAAGTGA GAGACATTTA TTTGCCTGTG GTTCCATGAA ACAGAAAAAA GTTGGTTTTC 183000

CTTTGTGTCG TAGCTTGGAC CCAAGGGCTT TGCAGTGAGC AAGGTTGCTA GCGCTGCTCA 183060

GTGAAAGAGA ACCCAGAAAC CTGGCATGCC AGCAAAAGGG TAAAGATTTC TTACCAGTCA 183120

GGCTTCTGGC CTCTCTCTCT TAGTGAAAAC TGAATGAATG GTAAAAATCA CTGTTTATCA 183180

CCTCTGTAAA GTTTTGATTA ATGGGAACAA GGATTTGTGG GGCTAGTCTT AAGCTGTAAT 183240

GAATCTGGTA TACTTTGTGA TATCAATTTG TCTTTCTGTA TTACTCTGTC ATAAAGAGGA 183300

ATATGGTAGG ATAGAACATG GGCTTAGGAC TCCATAAGCC TGCTGTTCAA GCCAGCCCAG 183360

TAAACTGGTC CGTTGCAAAG TTTATTACAG GTCCCTGGAA AAAAAAAAA TTAAAAACTG 183420

GATGAAGTTT CCTTCTCATC TTGTTTTATG TCCTTTGGAG CTTCACCTTG TAACCACGTG 183480

GCGGTACTTT CTCTTGGTCT CTGCCATCCA GGGAACAGGA ATTTTGGGGT TTATGTAATA 183540

GTTAACTCTA AAAATTATCT CAAGCCATTG CAAGCTCAAA ATTGGCTGCT CTGGACCCCT 183600

TCTGGGAAGG GCAATGGAAA CTAACCAGTG TTGTAGCTCA GCAGCTAAGG ATTTGTCATT 183660

TTATAATGGC GGCCAAGGTT CAATCCTGGC TTAGGGAATG AGTACTTTCT GATTGATATC 183720

TGTGTGACCT TTACCATTTG TTGATTCTGT TCTCTTCCCC TCCACACACT GTCTTGAGTT 183780

TTCCTCTCTC TGAGAACCTG GGAGATTATC TTTGGTAAAG TTCAAAAGCC AGAAATAATG 183840

GCCGTGTGGG ATGGCTAAAG TTGAGTAATA AGAAACTTAA AAGGACTCCT TTTTTTTTTG 183900

CTTTAGAGTG CTATGGTTTA TGGTTAAAAG CTTAATTAAA AGTGGATATT CAATCTCTAA 183960

AAGCCTGGGA CTCCTTGGGA AAAGCAGAGG AGGCACCACA GACCCCATTT TGGGAAAACC 184020

TCTGTTTTCC TCATGAAACC CCAGGAACTG GAAGTGGATA GATCCTTCGC AAAATCTAAG 184080

GCTCTGTTTG GCTTTGCATT ATGTTATCTG ATGTTTTTGA CTTTTGGGGG TATCAGAAAT 184140

TACTTTGCAT TATGAGGGAG ATCTGGTGTG TAATAACCAG GTAGGAAATA TACTTCTGGG 184200

GATAGCTAAA GGCAAATATA GGTGAATACT TGGCTATTTG CACTTTTGGA TCACAAGAAG 184260

CATTCTCTTG ACTACCTAGA AGGTATGGAA ATGTCTCCAT CCCCACCGAG AGATAAGATT 184320

CCCAGGGGAG ATGGCTGATC CCCCAAAAGA GGGCTGATTC CCTCTTTTGG GATCCAGGAT 184380

CTGGTATAAA AATGGGACCC TGGCCAGGCA CAGTGGCTCA CGCCTGTAAT CTCAACACTT 184440

-288-

TGGGAAGCCT CAGAGTTATG AATGTCTCAC CATACTGACA CTTTGTGACT GAGCTCCTCT 184500

CTACCCTGGA CACAAGAGAC CCTAATAATT AGACAGGAAT ATCATTGCCC CTATTTAGTC 184560

TGAAGAAGTT ATAGAAGATG GATCTTTATC CCACTGCAAT CCTTAGGATT AAGGGTTCCC 184620

TGGTAAAAGG GAGTGGGAAA ATATGTCAGA GGCATTTGAA TCAGAGTGAC TCCATCTTGA 184680

ATAGGGGCTG GGTAAAATAA GGCTGAGGCC TGCTGGGTTA GGTTAGGCAT TCTAACCAGG 184740

AGTTTAGTCA CAGGATGAGA TAGAAGGTTG CACAAGGTAC CCGTCACAAA GACCTTGCTG 184800

ATAAAATAGG TAACGGTAAA GAAGCCAGCT AAAGCCCACC AAAACCAACA TGGCCACAAA 184860

AGTGACCTCT TGTCATCCTC ACTGCTCATA TACACTAATT ATACTGCATT AGCATGCTAC 184920

AAGACACTCC CACCAGTGCC ACGACAGTTT ACAAATACCA TGACAACATC TGGACGTTAC 184980

CTTATATGGT CTAAAACGGG GAAGAACCCT TAGTTCTGGG AATTGTCCAC CTCTTTCCTG 185040

AAAAATTCTT GAATAATCCA TTAGTTTAGC ACATAATCCA GAAATAACTA TACGTCTGCT 185100

TATTTGAGCA GTCCATACTG CTGCTCTGCC TATGGAGTAG CCATTCTTTT CTTTTATTTT 185160

TATTTTTTAG ATAAAGACTC GCTCTGTCAC TCAGGCTGGA GTCTGGAGTG CAGTGACGTG 185220

TTTTGGCTCA CTGCAACCTT CACCTCCCGG GTTCAAGCAA TTCTCCTGCC TCAGCCTCCC 185280

AACTAGCTGG GACCACAGGT GGGTGCCACC ATGCCTGGCT AATTTTTGTA TTATTAGTAG 185340

AGATGGGGTT TCGCCATGTT GGCCAGGCTG GTCTCGAACT CCTGGCCTCA AGCGATCCAC 185400

TTGCCTTGGC CTCCCAAAGT GCTAAGATTA CAGGCATTAC CCACTATGCA TGACCCATTC 185460

TTTTATTTCT TAACTTTTTT TTGTTTTTTT GAGACAGAGT CTCACTCTGT CACCCAGGCT 185520

AGAGGCTGGA GTGCAGTGGT GCGATCTTGG TTCACTGCAA CCTCTGCCTC CTGGGTTCAA 185580

GCGATTCTTC TGCCTCAGTC TCCTGAGGAG CTGGGACTAC AGACATGTGC CACTACACCC 185640

AGCTAATTTT GTATTTTTAG TAGAGACAGT GTCTTGCCAT GTTTGTCAGG CTTGTCTCGA 185700

ACTCCTAACC TCAAGTGGTC TGCCTGCCTC AGCCTCCCAA AGTGCTGTGA TTACAGGCAT 185760

AAATCACTGC GCTCGGCCCT TCTTTACTTT CTTAATAAAC TTGTTTTCAC TTTACTGTAT 185820

GGACTAGCCC CAAATTCCTT CTTGTGTGAG TTCCAATAAC CCTTTTGTGT GTGAAGAAT 185880

TTATGGCTGC TGTTCAGGCT GGAGCAAGCT GGAGCTCATG CTGCTGCTCA GACTGGAGCA 185940

TGCGTGATCT GTGATCCCAG TAAGAGGATC ATGGTCACTC CAGCCTGAAC GACAGCATGA 186000

TATCTCATCT GTAAGAAAAA AAAAATTACT AGAGGGCTTT AACAGCAAAT TTGAGCAGCA 186060

AAAAGAAGTA ATCAGTGAAC TCAAAGATAG GTCAATTGAA ATGATCTACT CTGAAAAACA 186120

-289-

GAAAGAAGAC AGAATGAAGA AAAAGAAATA GAGCCTTAGA GACAGGGGAT ACCATCAAGC 186180

ATACTAATAT ATGCATAATG GGACTCCTAG AAGGAGAAAA GTGAGAGGAC AGGGAGAGAG 186240

AATGTTTGGA GAAATAATTT CTCAAAGCTT CCCATGTTTG GCAAAAAAAC ATTAACTTGC 186300

ATACATATTT TAGGAGCTCA ATGAATTCCA AGTAGGATAC ACTCAAAGAG ATCCATACCT 186360

AGACACATCA TAATCAGATT ATCAAAGAT GAAGAAGATG AATCTTGAGA GCAGAAAGAA 186420

AGGAACAATT CATCACATAC AAATAGTACT CAAAAGATGT CTGGAGTAGG TATACTAATA 186480

TCAGACAAAA TAAACTTTAA GATAAGCATT GTTATAATAA ATAAAGAAAG GTATTTTGTA 186540

ATGATAAAAG TGTCAATTCA TCAAGAAAC ATAACATTAT AAACATACAT GCACCTAACA 186600

ACAGAGCCCT AATATTCATG AAACAAAACT GACAGAATTG AAGGGAGAAA TAGAAAATTC 186660

GACAATAATA GTTGGAGACA TCAATACCTC ACTAGTTAGA CAAGATCAAC AAAAAAATAG 186720

AAGACTTAAC ACTTGAAAAC ACCTAACCTG ACCCTAACAT AAATCTATAG GTCACTACAC 186780

CCCAAAACAG CAGAATAAAC ATCCTTCTGA AGCTCACATG AAACATTTTT CAGGATAGAC 186840

TGTATATTAC TTCATGAAAT AAGTCTCAAT AAATGTAAAA GGACTATAAT AATAGAGTAT 186900

ATATTCTCTG ACCAAAGTGG AATGAAGATA GAAATCAATA ACTAGGCTGG GCGTGATGGC 186960

TCACGCCTGT AATCCCAGCA CTTTGGGAGG CCAAGGCGGA CAGATCACGA GGTCAGGAGT 187020

TTGAGACCAG CCTGACCAAC ATGGTGAAAC CCTGTCTCTA CTAACAAAAT ACAAAAATTA 187080

GCCAGGCCTG GTGGCATCTG CCTGTAGTCC CAGCTACTCG GGACACTGAG GCAGGAGAAT 187140

CACTTGAACC CAGGAGGCAG AGATTGCAGT GAGCTGAGAT CGCGCCACTG CATTCCAGCC 187200

TGGGAGACAG AGCGAGACTC CATCTCAAAA TTAAAAAAAA AAAAGAAACT AGAAAAATAA 187260

GAACAAATCA AACCCAAAGC AAGCAAGAGG AAAATGAAAA ATTTCAAAGC AGCCAAGAAC 187320

AAAAGGCACA TTATGTACAG AAGAACAAGT GTATAGATCA CATATTTCTC ATAGACACAA 187380

TATAAGCAAA AAGACAGTGG AGCAAAATTT TTTAGATTAA TGAAAGACCT ACAATTCTGT 187440

ACCAAGCAAA AAAACTCCCC CCAAATGAGG GTGAAATAAG ACAATTTAAT ACAGAGAAAA 187500

GAGGAAGGAA TTTATCTAGT CATATGTGAG AGTTTTATGA TACATTTTGT ACTGTATATG 187560

TGGATGTTTT CTATTTCATT TAAAAAATCA ACCGTGCAAT TAAATGGTAG ATTGTCTTGC 187620

TTCTTTTTGA TTGACACAGT CATTAACTAA AATATTGTAG TATTTTTTTA TCTCCCTGCC 187680

TAAAGGCAAT AAACATCTAA TCAGCAGACT AGAACAATAA AAAATATTTT TTAAAAGTCC 187740

TTTAGGCAGA ATGATAAAAG TCCCTTAGGC ATATTGAAAT TCCTATTTAT ACAAAGGAAT 187800

```
AAACAGTACT AGAAATTGTA ACTATGTGAG TAAACAGATA ATATTTTTTC TCCATAAAAT 187860

GTGGTTGACT ATTTTCACAA AAATAGTTAA CAATGTAATG TGTGATTTAT AGCATTTAAA 187920

AGTAAAACAG GCCGGGCACA AAGGTTCGTG CCTGTAATCC CAGCACTTTT GGAGGCCGAG 187980

GCGTGCAGAT CACTTGAGGA CAGGAGTTCA AGACCAGCCT GGCTAACATG GCAAAACCCC 188040

ATCTCTACTA AAAATACAAA AATTAACCAG GCGTGGTGGT GCACGCCTGT AATCCCAGCT 188100

ACTCTGGAGG CTGAGGCACA AGAATCACTT GAATCCAGGA GGTGGAGGTT GCAGTGAGGC 188160

AAAATTATAC CACTGTGCTC CAGCCTAGGC AACAGAGCTA GACTCTGTCA CACACACACA 188220

CACACACAAA AGAAAAGTGT ATGACAACAA CAGTGCAAAA GAAGCGGAAA TGAAAATAAT 188280

GTTATTTTAT ATAAGTGGTA TACTTTTAGA TGAACTACGA TAAATTAATG ATGTATACTA 188340

TAAACTCTAA GGCAACCACT GAAATAATGA AACGAAGAAT TATGGCTAAC AAGCCACAAA 188400

AAGAAATAAA ATAGAATGAG AAAAAATATT TAAGTTGTTC AACAGATGGG AAAAAAAGA 188460

GGAAAAGAG AACAAAGAAC AGATGGGACA AATGGGAAAG TAATAGCAAG ATGATAGACT 188520

TAACTCTACC CATATAGATT ATCACACTTA AGGTAAATGA TCTAAATACT CTAATACAAA 188580

AGCAGAGGTT GTCAGATTGA ATTAAAAAAA CAGACAACAA CAAAAAAAAG CAAAAAAAGA 188640'

GCCACAACAT GCTGCCTACA AAAAATTCAC TTTAATATAA AGACACAAAT AGTCTAGAAC 188700

ACCATCACTT TTAACCTTAT TTACTCAAAC CTCCTAACTG ATCCCTATTT ATTTATTTAT 188760

TTATTTATTT ATTTATTTAT TTATTTTTGA GACAGAGTCT GACTCTGTTG CCCAGGCTGG 188820

AGTGCAGTGG CACCATCTAG GCTCACTGCA GCCTCTACCT CTCGGGTTCA AGCGATTCTC 188880

CTGCCTCAGG CCTCCCAAGT AGCTGGGACT ATAGCACATG CCACCATGCC CAGCTAATTA 188940

TTATATTTTT AGTAGAGACG GGGTTTTGCC ATGTAGGCCA GGTTGGTCTC AAACGCCTGA 189000

CCTCAGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCCA CAGCACCCAG CTCCTCTTCA 189060

TTTATTCTTG CTACGCTTCC TCCAATCCAT TTTGTGCATT TGATGATTTT GCCAGTAACT 189120

TCTTTATTTT TCTGGTAAAA TTACTTATGG GTCACTGAGG ACTGGGATGT TCTTTCTTCT 189180

AGAGGGGGTT TGTGTCTGCT TTTGCCAGGA AGCTGGGGTA CCACCAGTCA AGTATTACTT 189240

TAAACTCAAT TCATGAATTG AGACTTTTTT TTTTTTTTTT TTTTTACGC AGAGTCCTAC 189300

TCTGTCACCC AGGCTGGAGT GCAGCGGTGT GAACATGGCT CACTGCAGCC TCAACCTACT 189360

GAGCTCAAGC AATCCTTCTG CCTCACCATT CTGTATAGCT AGGACTACAG GTGTGTGCCA 189420

CCATGCCTGA CTAATTTTTT AAATGTTTTT TTTAGAGATG GGGCTCACTT TGTTGCCCAG 189480
```

GCCGGTCTCG AGCTCCTGGG CTCAAGTGAT CCTCCCACCT TGGTCTCCCA AAGTGCTGGG 189540

GTTACAGGCA TGAGCCTCTG TGGCTAGCCA AGACTTTTTA TTTTTTAGCC TAAATGTGTA 189600

TAAAAGTTGG CTTGTGGTTA CAACTTATCA GGATTGATGA TCTCTCTCTC TCTCTCTCTC 189660

TCTGTCTCTC CCCACCTCTC TCACATCCCT TGCTCTGCTG AGAAGCAGAG CAAACATTCT 189720

AGCAGTTTCC AGAGAGTAGG ATGGGATTAC TTCTAGTTTA CTTTTATCAT CCTTTGGGAT 189780

CGCAGTATTA CTGGGAGAAC ACAAGTATCT CTTATTAGAC ATACCACCTT TGTAGAATCT 189840

GGACTTTCAT TTTAGACTTT ATTTGTTTTC TACTATAAGC AATTTAAGTT ACAGATCTCT 189900

CTACACACTG TTTAAGTTGC ATCCCATGAA TTTTGATGTG CTTTATTGTC ATTATTATAT 189960

AGTACAATGT ATTTTGTAAT TTTTTGTGAT TTGTTTGGAG AGATTGATTA ATTAGAATGA 190020

TGTTTAATTT CCAAATATGT GTGTTTTTTT CCTACATTTC TTATTTTTAT TGATTTCAAA 190080

TTTATTTCTA CTGTAGTCAG ATTTAATAAT TCATTTATTT TTATTATTTT CATTTTTTTA 190140

GAGACAGGGC CTTTCTGTGT TGCCCAGGTT TGTCCCAAAC TCCTAGTCCC AAGCAGTTCT 190200

CCTGCCTCAG CCACCCAAAG TGCTGGGATT ATAGGCACGA GCCACCGTG CACAACCAAC 190260

AATTCATTTA AAAAGTGGGC AAGTGAACTG AACAGACATT TCTCAAAAGA AGGCATACAA 190320

TTGGCCAACA AATATATGAA AGAATGCTCA ACATCACTGT ATTAGTCTGT TTTCATGCTG 190380

CTAATAAAGA CTTAACCTGA GACTGGGGAA TTTACAAGAG AAAGAGGTTT AATGGACTTA 190440

CAGTTCCACA TGGCTGGAGA GATCTCACAA TCATGGTGGA AGGCAAGGAG GAGCAAGTCA 190500

CATCTTACAT GGATGGCAGC AGGCAAAGAG AGAGCTTGTG CAGGGAAACT CCCGTTTTTA 190560

AAACCATCAG ATCTCGTGAG ACTCATTCAC TATCATAAGA ACAGCATAGG AAAGACCCGG 190620

CCCATAATTC AGTCACCTCC CACTGGGTTC CTCCCAGGAC ACATGGGAAT TGTGGGAGTT 190680

ACAATTCAAG ATGAGATTTG GGTAGGGACA CAGCCAAACC ATATAAATAA CTAATCATCA 190740

GGGAAATGCA AATCAAAACC ACAATAAGGT ATCATCTCAC CCCAGTTAGA ATGGCTATTG 190800

TCAAAAAAAC AAAAAATAAC AAATGCTGGT GAGGATGTAC AGAAGAGGGG ACTCTTATAT 190860

CCTACTGGTG GAAATGTCAA TTAGCATAGC CATTATGCAA AATAGTATGG AAGTGAGGTA 190920

GGTTACATAG GGTGGTCACA GCCTCCCTTG AAAGGAAACA AGAAACTTGT CAAATTGATG 190980

GAGAGAACAA ATCTCTTGAC ATTACACAAA CTGCATCTGG GGCTAGTGGT TAGAATATCC 191040

TCAGTCAAGG AGGTAGAAGA GCAGGAGGGA AAATCCCTAA GTTCGTGCAA GTGCAGAAAC 191100

CCACAAGCTG TGTTCTCAGG TTGACATATA CTCATTTTAA TAGTAAGAAA CACACCCTTG 191160

-292-

GGTAGAGAAT TAAAATGCTA ATAATACATG TGATGTATGT ACTAGCGTGT ATGGCAATAT 191220

TGCATGCACA TTCAAGAGAC CACCCAAAAC ATATTTAACA ACAATGCCCA TTCCCACCCC 191280

CTCATGGATA ATCACGTAGG ACTCCCATAA CGGGAGTTTC TTCAGTGTCA ATTGGTGCTG 191340

AAGTAGCCGA CCCTGACTCT GCTATCAGCG TGTACTTTCA CCTTGCAATA AACTCCTTTG 191400

CCTACTTTTA CTTTGGACTG GCTTTCAAAT TCTTTTGTGC AGGGAATTCA AGAATCTGAA 191460

CCAGCCCACT GACAACAGAG GTTTCTCAGA AACCTAAAAA TAGATCTACC AGATGAGGCT 191520

GAAAATCTGC TACTGGCTAT TTATCCAAAG GGAAGGAAAT CAGTATACAA AGAGACACCT 191580

ACATCCCCAT GTTTATTGCG TCACTCTTCA CAAGAGCTGA TATATAGAGT CAACCCTAAA 191640

TGTTCATTAA CAGACAAATG GATAGAAAAT GTGGCATATA TACACAATGA AATACTATTT 191700

GGCCATGAGA AGAATGCAAT CTTGTCATTT GTGGCAACGT AGATGAAACT GGAGAACATT 191760

ATGTTAAGTA AGATAAGCTA GGATTGGAAA GATAAATACT ACATGTTATC ACTCATATGT 191820

GAAAGTAGAG AAAAATTTTT AGCTCATGGA TTTAGAGAAC AGAACTGTGG GTACCGGAAG 191880

CTGGGAAGGG TAGCAAGGAG GGGAGGATAG GGAGAGGTTG GTTAATGGTG ACAAAATTAC 191940

AGCTAGATTG TAGAAATGAG TTCCGGTGTT CTGCACCATT GTAGGGTGCA TATGGTTAAC 192000

TCTCATTTAT TGTATATTTT CAAAAAGCTA GAAAGAATT TTGAATACTC ACAACAAAT 192060

AAATGATAAA TGTTTAAGGT GATGGATATA CTAATTACTC TGATTTGATT ATTACACATT 192120

GTGTACACAT ATAAAAATAT CACTCTTTAT CCCGTATATA TGTACAGTTA TTATATGTCA 192180

ACTAAAAATA AAAGAAAAAA AGAATATGAT CTATCATGAT GTATATATCA TGTGTACTTG 192240

AGCAAAATGT GCATGCAGAT ATTGTGTATA ATGTTCTATA AATCAATTAG CTCAAGATAA 192300

TAGATAGGAT TGTTCAGATC TTCTGTGTCT TTACTGATAT TTTGTCTAGT TATTGCATCA 192360

TTACCAAAAA AAGGGTGTTA AACTCTCCAA ATGTGATTGT AGAATTGTCT ATTTTGTCTT 192420

TTCTTTTCCA TTTTTACTTT ATGTATTTTG AAACTCTGTT ATGACATTTT GCTATGTATT 192480

TTAAAACTTC GTTATGTATT TTGAAACTCT GTTGTTAGAA TCATACATTT ATGATTATTA 192540

TGTTTTCTTG ATGAAATGAC CCTTTTCTAT TGTCGTTGTT TTTGTTTTTT CTGAAATGGA 192600

GTCTCACTCT GTTGCCCAGG CTGGAGTACA GTGGCACAAT CTTGGTTCAC TGCAACCTCC 192660

ACCTCCTGGG TTCAAGCGAG TCTCCTGACT CAGCCTCCAA GTAGCTGGGA TTACAGGCAT 192720

GTGCCAGCAT GCCAAACTAA TTTTGTATTT TTATTAGAGA CAGAGTTTCA CCACGTTGGC 192780

CAGGCTGGTC TCGAACCTCT GACCTCAGGT GATCCGCCCA CCTCGGCATT TTTATTTTAT 192840

-293-

TTTATTTTTT TGAGACAGAG TCTCACTCTG TCACCCAGGG TAGAATGCGG TGGTGTGATC 192900

TTGGCTCACT GCAACCTCCG CCTCCTGGGT TCAAGCAATT CCCATGCCTC AGCCTCCCGA 192960

GTAGCTGGGA TTACAGGCAC ATGCCACCAT GACTGGCTAA TTTTTGTATT TTTAGTAGAG 193020

ATGGGGTTTT TCTATGTTGG CCAGGCTGGC AACTGACTCC TTTAACAATA CAAAATATCA 193080

CTCTGTCTCT GGTAACACTC TCTGTCTTAA ACTCTATTTT AGCTGTTATT ATTATAGCCA 193140

TTTTAGTCTT TTTATGCTTT CTGTTTGCAT AGTGTATATA TTTTAATATG TTTATTCTCA 193200

AGTTATCTGT GTTTTTATAT TTAAGATGTT TCTCTTCTAG CCAACGTGTT TGGTTCTTGC 193260

ATTTTTAAGT CGATTCTAAC AATCTTTGCC TTTCAATTGA AATATTTACA CCATTAACAT 193320

CTAACATTAA CATTTATTTT TCTTTCCACA GTACACTGGC TAGCATCTCC CATATAATAT 193380

TGAACATAAA GTGTGATAAC TGACATCCTT ATTTCATTCC TACTCTGAGT GGAAAGGGCA 193440

GGGGTGGAGA AAGCATTCAA CAATTTGCCA TAATTATAAT TCTTTTTGTT ACACTGTTTT 193500

CTTCTGCATT AAAAAATATC ATTACATTTT GCATGAATTA TTAGGAGAAA ATATTTTCCA 193560

ATTTTCCTGG AAAATGCCAT AACCACGTCT CTCAATTTTG TTTCCATCTT TCTTCCACAT 193620

TTTACATAAC CTACATAAGA GACACATTAT CAAGTATATT TTACATGGCT TCTCAGTGTC 193680

TTCTCTGTCT GCTAACAGGT TTACCAAGAG ATGGCACTCT TGTATTTCTG GTGGCTATGT 193740

CCATATCGTT TTGCCTTTAA GACAGCGTAA CTACTTCTTT CACCAGTATT AAAGACATGT 193800

ACATTTGATC TGGTTCTTGT GGATGATTTT AAATGACTCA AGCTAATAAT CCTAATTTTA 193860

CCTAAACACT CCATTATTTT AAAATGTATT CCTTTATGCC CACAATAAAC ATTTATTGAC 193920

ATTAGGCTGG ACATTAGGCT TCTCTATGGC AGACATTAGG CTGGACCCTA GCCATATATC 193980

TATTGAGGGA AAAAAAATTA TTTTCTATAT AAGTTTCCAG AAAGCCAAGA TGTGTTTTAA 194040

AAACAAAACA AAACATTACA TTCTAAATGC TGTAACAAGA TAAGAAAAG TGTTGAGGCT 194100

GAGAGAAGAA CAAAGCAGCA AGCAACTCCT GGAAGGACCA CTGCTGCAGA GGTAATAACT 194160

GGTGAACCAT GTTTTGGAGA AGGAAAAGGT CACCAAGAGA AGGAGGGGGT CCAGGGTGTT 194220

CAGAAAGATT GCATGCATAA AGATCAAGGG TAATAAAAAA AATTCCGTAT TATGTAAATG 194280

TGAAGTTCCA GGACCATGAG CTTGGAGAGC ATGAAGTACA GGAGGAGGGT TGGTTTCAAA 194340

TAAATCTGGG AATGAAACAG TGAAGCCTCT GGCAGAACTC ACATCTCTTT CCTCCCCTCT 194400

TCCTTGCACA TTCCCTTTAT GGAGTAATTG CAGGGATGGG AAAAGTTCAA AACCACCACT 194460

GAGCCTAGGA AGTGCTAGGG TAAAGTGGAG AATGAACCTG CGTGATTTGC TCATCCTAAA 194520

```
CTAGGTTCTT CTAGGAGAGC CCTTCCCCAT AAAATCTGCC CTCCTCGAAG GGGCCCAGAC 194580

AGCCTAAGCT CACCTCCCAA AGACCCCTTA CTTGCTGACT GAATCTGATT CCACCCAGAC 194640

ATGGCCTAAA ACCCTTCCAT AACTCTATAG CCAAATTCAA TTTTAGACAG GCCTCATACC 194700

AACCTTTCTT CCTCTAAGTC TGCCACCCTA GGCAATTCTC AACATTCTCT ACACACTTTG 194760

GGGCCATAGA CGTGCTACCA AGTCTCCAGA CCTAGACCTG ATGGAGCAGT GCTGTAATGA 194820

GACGACCACT GGCCTTTGAA CCAGACCCTT CTCTGTGGCT CCTATGCATC TCCAACCTGT 194880

TTTGAGCACT GCTGCCAAGA CATCTTTGGC ACTTTGTTGT GAAGTTTTAA AACTGAACTA 194940

ATCTACAAAA CACCTAACCT TTAAAAATTC ATTGTCATTT CATATCATGA AAGATAAAGA 195000

AAGGCCAGGA AACTGTTCCA GGTTAATAGA GACTAAAGAG ATAGCAACCA AATGCAATTT 195060

GTGATCCTGG ATTGAGGGGA AAAAGTGTTG TCAGAGACAT GATTGGGACA GCTGGTAAAA 195120

TTTGAATTTG AATTTAAAGA TAAAGTATTG AGTAATATAG GAAGATGATT ATCTGCAACT 195180

TTCAAATGTT TCAGTAAGTA TATATATATA TAAAGAGATA TAAAGACATA TAAATAAATA 195240

GATGGATAGG TAGAGAAAAA GCAAATGTAT AATATTAACA ATCTAGGTAA AAAGTATATG 195300

AGTGTTCTTT GTACTGTTTT TCTGATTTTT CTATATGTTT GAAATCATTT TAAAATAAGA 195360

AGGTTTTTGG GGTTTTTTTG TTTGTTTTTT GTTTTTAGAG ACAGCATCTT ATTCTGTCAC 195420

CCAGGCTGTA GCTCAGTGGC CCAATCATTG CTCACTGCAG CCTCAACTTC CTGGGCTCCA 195480

GTAATTCCCC CTACCTCAGG CTCATGAGTA GCTGGTACTT CAGGTGTGCA CCACTGCACT 195540

CAGCTAATTT TTATTTTTTA AATTTTTGTA GAGATGGCAT GTTGCTATGT CACCCAGGCT 195600

AGTCTCAAAC TCCTGCCCCC AAGTGATCCT CCCACTTTGG CCTCCCAAAG TGCTAGAATT 195660

ATAGGCATGA GCCACTGCAC CCAGCCCCAA ATAAAAAGT ATTTTATTTT AATTAACTAA 195720

TTAATTTTGA GTCAGAGTTT CACCCTTGTC ACCCAGGCTG GAGTGCAATG GCATGATGTT 195780

GGCTCACTGC AAACTCTGCC TCCTGTGTTT AAGCGATTCT CTTGCCTCAG ACTCCTGAGT 195840

AGCTGAGATT ACAGGTGCCT GCCACCATGC CCAGCTAATT TTTATATTTT TAGTAGAGAC 195900

GGGGTTTCAG CATGTTGGTC AAGCTTGTCT CAAACTCCTG ACCTCAGGTG ATCCACCCAC 195960

CTCGGCCTCC GAAAGTGTTG ATGAGCCACC ACACCCGGTC TAAAAAGTAT TTTAAAACCA 196020

CAGTCCCACT CTACCTTGTC CTACACTACC AGGGGCTAGG ATCACCCCAT GTCTTCTAGG 196080

CTATGAGATA GAGGAATCCA AGGAAGAAGA TAAGCTACTT GGTTCCTCTA TAGGGTCTTG 196140

TGTGTGCTCT CATGTGCTCT CTCTCTCTCT CTCTCTCTCA CACACACACA CACACACACA 196200
```

CACACACACA CACACACATG AATACCAGAG CTATCACTTT CCCAGTCTAG TACTCATCTC 196260

ATCCCAAGGG TTTTGTGTTG TAGTGGTTTG CTCATTTGTT TGTTTTGTTT GTTTGCTTGG 196320

ATTATTCTTT TTCTCTTTTT GCAGCTGAAG GGAGAATTTC CAGGCCAGCC CTTTGGCCAT 196380

TAGAGTTACA GTGCCTCTAT TCAGGCTTCA TAGAGAGACC TGGGATTCAG TAGTGGGGGG 196440

CTTTTATCCA GTTCAAAATA ATGCATTCTC ACCAAGATGT ACTTTGAAAT AAAACAATAC 196500

TAAAACACAA AATTTTATTT ATGCTGAACA TTGAATCACT TTTTTCTGTA TTTTGTGTAG 196560

AAAGTTATAC ACACACAAAC ACATTTGCTC CTGCTTTGTT TATTGGCCCA GGGGTATGTT 196620

TGGTAATACT TCATCAGGCA TGAGTAGTAC GTCTTGGAAG GTGTGGTCTA AAGCCTAGAC 196680

TCCTATCTGC TTCCTTCAGC ATTCTCCAGT GTATCTGTCA TCTGTCTACC TTAGGATGGG 196740

GTCTCCAGAA CTTCCATTCA CATTTAGAAG AGGGCAGCGG CTTTCTATGG AAAATATGAA 196800

CTCTCATTCA TCTCTATTCC TTCTTCTAGC TATGGTCCAG CTCAGCTGTT TGGAATAAAG 196860

TATCTATATG AAGTCTGCGA ATGGTTCTCA GACTGGTTGA ACATTAGAAT CACCTGAGTA 196920

CCTTCTAAAA TTCTTATTAC CCAGGGCATA TCTCAGAATG AGTACCACAG GGTAGGGATA 196980

GGATTAGGGA TCATGATCTC TGGAGTCTGG TTTAGGCACT AGTGCTGTTT AAAACTACGT 197040

TCATGAGGTG GAGGTTGCAG TGAGCCGAGA TGGCGCCACT GCACTCCAAC CTGGGCGACA 197100

GAGTGAGAGT CTGTCTCAAC AACACAAAC AAAAAAAACC AACTACCCTT GTGATTTGAA 197160

TGTCCATCCA AAATTGAGAA CCATTAGGTA AGGCCAAGCT GTATAATTAA AGAGCAGTTT 197220

TCATTTGTCT GGTGTGGTGG CAGCTTTTTG ATAAGGGAAG TATTGTTGCC ATCCACATAC 197280

CTGAGCCTCA CTCCTGAGAA CACTGGTGTG TATGTTGCTA AAATTCCCCA GGTGATTCTG 197340

AGGTTCCTTC CTGGATAAAA ACCACTGACC CTGGGAATGT ACCCACTGCC AATCTCCTGC 197400

GTAAACCTTG GATACTGGGA AGCCTACAGT TGAAAATATT GGGCTTGAGA TCCTGAAACA 197460

AATCTTGTAT TTCATTAAGA CTAATATTTG GTACAGTGCA GCAAATCAAG GGAATTTTGG 197520

TGGCTGAGTT CTTTTAGAAC TTTTGCATTG AAATAGGTTC AAGCAGCAAT AAGTTAAAAC 197580

TACAACCTCA GCTAAAGGAT TAAAAGACAC GTGAGCTGGG TAGGATGAGG TCTAAGATTG 197640

GGTGTGGCGG CTCATACCTG TAATCCCAGC ACTTTGGGAG ACTGAGGTGG GTGGATCACT 197700

TGAGGTCAGG AGTTCAAAAC CAGCCTGGCC AACATGGTGA AAACCCATCT CTACTAAGAA 197760

TACAAAAAAA TTAGCTGGGC GAGGTGCCAG GCACCTGTAA TCCCAGCTAC TGGGGAGGCT 197820

GAGGGAGGAC AATCACTTGA ACTCAGGAGG CAGAGGTTGT AGTGAGCTGA GATCGCACCA 197880

CTGCACTCCA GCCTGGGTGA CAGAGCAAGA CTCCATTTAA AAAAATAATA ATAATAATAA 197940

CAATAATAAT AATTCAGACA TATCCAGGCA TCAAACAGAT ACCTGGGGCA GATGAATAGT 198000

CTTGAGATTC AAGTCACACA TGAAATTTAG GTGGAAAATG ACATTGGAGA AATTTGAGAT 198060

TATGATGAAT GGAAATTTTT CAAAGAGGAA TTTCAGGCTC TGTTCTTGAG GGGATAGATG 198120

GACTTCCAAC AGCAATAACA CAGGATTAAT GAGGACTTGG GATGTTACAT AAATTAGAGA 198180

TGTTAGATGG ATAAAGAGAT AAAAGTACTC TCTCTAAGAA CATGGGACCA GAGATAGGCT 198240

CACTTCTAAC CATCAGATAT AACTAGCAGA CTAAACGGTC TAAAAATAAA AATCATGCCC 198300

CACTCCTGCT TAAGACATTT TAATTACTCT CAGTAACTCT TCAGTTTTTC TACTGTGTTA 198360

TCTTTAACTA CAGGGTTGGT CTGGGTGTGC AACACAAGAA AGCCTGGCAT ATACATGGAT 198420

TCAAGTGTAT GCCATGTACA GGTATTCTTT CATGTACTAT TTCATGTATT CTTTTTCACA 198480

TCTGTTTTTT CCTTCATTGA AGTCAATGGC TGATATTAGA TTCTACTATT CATGTGTACT 198540

AGTTATATAT AATTGTTACA AAACAAATTA GCAAAAACTT AGTGGCTTAA AGCAACACAC 198600

ATTTATTATT ACCTAAGGTC TGTGGATAGA AGTTCTGACA TGGCTTAACT GGGTTCCCTG 198660

CTTCAAGCCT CATGTGGCTG CAATCCAGGT GTTGGCTGAG TCTGAATTCT CATCAGAGGC 198720

TTGATTGTGG AAATTTCCAC TTCCAAGCTC CCTCAGGTTT GTTGAAAAAT TCAGTTCTTT 198780

GCACCGGTAG AAGCTTCTTG GTAGAGGCTG ATTCAACTTC TAGAGGCTGT CTGCAGTTCC 198840

TGTCACCCAG GGTGGAGTGC AGTGGAGCAA TCATAGCTCA CTGCAGCCTT GACCTCCCAG 198900

AATCAATCTG TTCTCCCACC TCAGCATCCT GAGTAGCTGG GACCACAAGT GTGTGCCATC 198960

ACACCTGCCT AAAAAACAAA CAAACGAAAA AAAACCCCCA GAGAACTTTG TAGAGACAAG 199020

CTGGTCTGGA ACTCCTGCGC TCAAGCAATT CTCCTGCCTT AGCCTAAAAG TTCTGGGATT 199080

ATAGGTATAA GCCACCATAC CTGGCATATG GCAAGTCTTG AGCAGGACAA ATACAGATGA 199140

TTTATGTCTG TCTTCCATGG TATTCTAGGT TATTGTTGAG ATGGTCCTCT ATTGTCTTGT 199200

TCCATCTATT GATTAGATAA AACGTTGTTC CTTCTGTTAT TTTTCAACAG TAGCTTTTAT 199260

GTGTCTCTCT TTATCTTAAA ATTCTAACCA AAGAGCTGCT CTTTTCTTGG TGTACTTTAC 199320

CTTTGGTTGA TCCTTCTTAA CCTCTTCTTG CCCTCTGGGG CCTAAGATGA GGGCTGTTAT 199380

CAGATGTGAG TCTATGGGAA AGCAAGCAAG AGGTTCTTCA GCCTCCGTTC AGCCTTAAAT 199440

GTCTAGGTAG AAATCAGTCA TGGCCCTTCC AATGTGGTAC AGACCAGATC ACAGAGACAG 199500

GGGTCTCAGC CAAGGTCTTG TGGCCTAAGC CTTATAGAAA TAATGAGTGT TTACTTACTT 199560

GGAGAACTCC CTTGGAATAT CTTTTTTTGT GAACCTGAGG CAACTTTTGG TGATTTCTTG 199620

ATGTCTTGGG AATCTTGGTC TAGAGCCATT TCAACCTGAT TTCTTTTCAT GTCAGTGGCA 199680

TTTTGTGACC AGATAGTAAA TAAGTTCTAT GATGTTCACT CAGAGAAATA CAATGACTTA 199740

TGATGTGAAG CTTCTGTGGT TCAGCCCTTA CTTCATCTTC ATTCCCTCTT ATCTGCATCT 199800

GTCTCCTGCT TGGGAACAAA AGTCTGGCTT CATTCTATGA CCCCCACGTT GAGTTTCTTA 199860

GTAGCACTTA CTTTTCAATT AGGAGTGTCC TCACTTCTAT CCATCAGACA TAACTAGCCG 199920

ACTAAACAGT CTAAATATAA AAATCATGTC CTACTCCTGC TGAAAACATT TTAATTACTC 199980

CCCATCATTT AATTTTTTCT ACTGGGTTAT CTTTAACTTC AGAGTTGGTC TTGTGTGCAA 200040

CACAAGAAAA CCTGGCATAT ACATGGATTC AAGTGTATGC CACGTGCATG TATTCCTTCA 200100

TGTACTATTT CATGTATTCT TTTTCACATC TGTTTTTTCC TCTAAAATTT ATTTCCTTTT 200160

AAAAATGAAA ATTTTGCATT TGACTAAATT TGTCAAATTT AGTCAAATTT GTTTAAAACC 200220

ATTTTTAAAA TGTTTCCCGA AGTTTTGAGT GAAGTTAGTA CTTCAGAAAA ACTGTTTTGT 200280

ATTTTTCATG TGACCTCAGT GCACTGCTGT GCATTTCCAT TTCTGCGTCC ACACACATTT 200340

GTTTTGAGGA AATATAGGAA CGACAAGATA AAGTTCAAGC TCCTGGACAT TGCATAAAAG 200400

ACCGTCATGA CCTGGTCCTG TTGACTTCCC TAGATTTCCC GCTATTTCCT AAGTTGAGAT 200460

TTTTGGTTTG GATGCTTTGT GTTTTCCTAA AATCAAAATA GGTTTTTGCC TTTTATGATT 200520

ATACAGTAAA TAAATGCTAT TTGTGTGAAA CTTTAAACAA TACAAAAAAA ACCTAAGGAA 200580

GAAAGTCAGA TTCATCTAAA AATCCTTGTG GCCAGAATTA ACTACCTTAG TTATTATTTT 200640

CTCTATCTCT CTCTCTCAAT GTATATTTGG TGTAGGTATA GGGGTGTGTG TAGTGTGTGT 200700

GTATGTATAT ATCTGTTTCT ATTCCTGTAT GTGGATGTGC ACAACGCATC CTGCTTTGTA 200760

CACTACAGTA CTAGCATTTT TCTAATGTAA TTCAATATTG TTGAAAACAT TTTAAAAAAG 200820

CTTGTATATA TACACACACA TACACATACA TGCATGTATG TACATATACA CATACAGACA 200880

AAAATGTATC CTATGTATAT TCACACATGT ATACACACTC ACACGTACAT AGAGTTTTAC 200940

ATCCATAGTT TATAAATGTT GCTTTTTTTT GGTCACCTTT TTGCTAAGTC TTACACTTTT 201000

TTTTTTTTTT TTGAGACGGA GTTTTGTTGT CATTGCCCAG GCTTAGTGCA GTAGCGCGAT 201060

CTCACCTCAC TGCAACCTCG ACCTCCCGGG TTCAAGCGGT TCTCCTGCCT TAGCCTCCTG 201120

AGTAGCTGGT ACTACAGGTG TGCGCCACCA TGCCTGGCTA ATTTTTGTAG TTTTTTTATA 201180

GAGACGAGGT TTCACCATGT TGGCCAAGCT GGTCTGGAAC TCCTGACCTC AAGTGATCTG 201240

CCTGCCTCAG ATTCCCAAAG TGCTGGGATT ACAGATGTGA GCCACTGCAC CCGGCCAAGT 201300

CTTACACATC TTTTTTTTAC CACTAAACTG TTTACCCAAA CCTGATAACC CAAGTCAACA 201360

GCTATTATGG CTCACACAAT CTTATGTAAA CAAAGATACA GATATATAGA ATTTTCTTGA 201420

TTAATATTCA GAAAAAAATG GAGTCCCTTT ATACGTCCTT AGTATCTGCT TTACTCATTT 201480

AAAAATGTAT TACATTATAT GAAAGTATTC AGGTCAAATG TTATAGATGT GATTCATTCT 201540

TTTTAACTGT GTTATTTTTC TGCAATGACT ATGTATCACA AAGTACTCAG TCTTCCACTG 201600

ATGAAAATTT GGGCTATTTC CAGTTTGTCT TCCATTTTTC TTTCTTCCTC TTGGATTTTC 201660

ACTCAATGTG TTTACTAATT TAGGAAGAAT CAATAGTTTT TATGGTATTA CTTCTCCCAT 201720

TCAAGAATAT AGCATATGGT ATAGTATAGT AGAGTACTTA GTTTAATTTA GCCAGATCCT 201780

GTTTTCTGCC CTTTAATAAA ATTCTATCAT TTTCTGCCTT TGAGTCACAT TTTCCTTGTT 201840

CATATAATTC TTAAAAAATG TATAGTTTTC ATTCTAAGGG AACATAAAAA CTTCTTTCCA 201900

TTTCTATTCC TGTCTAGTTA ATTCTACTAT TGGGAAAAGT AACTGTTAAA AAAAATTCTT 201960

ATCTTTCCAG TCAGTTCACC ACATTTCCTT TATACCTTTG TACTTTAATC CCCAGTCATG 202020

TTGAACACTT CTTATTCCTC ACACCAAGCC TCAACGGGTT TGCTCTTTCT GGAAGGTGCT 202080

TCCCCTGTAT TACTGACTTA TTCATACCAC ACATGGAGAC TGGCGCAGCC CTGTTCTGCC 202140

TGGGAAGCCT TCCCCTGATA CCCCTAGTTG GCAGGAGTCT TCATTGTTC TTTTCTAGTC 202200

ACCTGTGCAA GTTTGTATTG TTCATGTTTA TCATCCTTCA TTCTAGTTGT CTGTCTCTAT 202260

GTGTGGTCTC ATTCAGTGGA CTCTGAACTC TTATGAAGTC ATGTCATGGG TCAGATCTTA 202320

ATAAATTAAT ATTGTCGGAA GCTAATGTCA TGTCTAGAAT ACAGAAAATT TATCAAAAAA 202380

AAATATAGTA TGTTGGCTGG GCGCAGTGGA TCAAGCCCGT AATCCCAGCA CTTTGGGAGG 202440

CCGAGGCAGG AGGATCACAT GAGGTCAGAA ATTCAAGACC AGCCTGGCCA AAATGGTGAA 202500

ACCTCATCTC TACTAAAAAT ACAAAAAGTA GCCAGGCGTG GTGGTGCCCA CCTGTAATCC 202560

CAGCTACTCA GGAGGCTGAA GCGGGAGGAT CACTTGAACC TGGGAGGCAG AGATTGCAAT 202620

GAGCTGAGAT CATGCCACTG CACTCCAGCC TGGGCGACAG TGAGACTCCA ACTCAAAATA 202680

ATAGTAATAA TAATAATAAT AATTGTATGG AATTGAACTG CTCTGATTGG AAATAGCTGT 202740

TTTTTAAAAA ATTATTATTT TTTAAGTTCC TGGGTACATG TACAGGATGT GCAGGTTTGT 202800

TACATAGGTA AACGTGTGCC ATGGTGATTT GCTGCACCTA TCAACCCATC ACCTAGGTAT 202860

TAAGTACAGC ATGCATTAGC TCTTTTACCT AATGTTCTCC CACACCCCCA CCCCATCCTC 202920

-299-

```
CCCCAACAGG CCCCAGTGAG TGTTGTTCCC CTCCCTGTGT CCACGTGTTC TCATTGTTCA 202980

GCTCCCACTC ATAAGTGAGA ACATGAGGTG TTTGGTTTTC TGTTCCTGCC TTAGCTGTTA 203040

ATGTCAGGCC AGAGAGGCTT AAATTTTTAA GGATCTCTGG ACTTTTCTTC TACATTACTC 203100

TTGATGTTTA TAAATGTTAC AACTTCTTTA ATTTCATTAA ATGTATACCT TATTGAGTTG 203160

ATTTAACTGA GTTAACTTTG TTATATGAAA ATCATGATTG GGAGTGAGGG GGTTAAACCA 203220

GCTACAGAGA TCTTGATTGT TGGTGGTGAA GCAATGCAAG AATTCATTCA TTCAGTAAAC 203280

TAATGTTTAT TAAGCGTGTA CTGTCTTAGT CTGTTCAGAC TGCTGTAACA AAATATCATA 203340

AACTGGGTGA CTTATAAACA ACAAAAAATT TATTTCTTAC AGTTCTGGAG GTGGGAAGTC 203400

TAAGATTAAG GCCCTGGCAA ATTTAGTGTC TGGTGAGGAC AGGTAGCCAT CTTTTTGCTG 203460

AGTCCTAACA TGGCAGAAGG GTTGAATAAA CTTCCTTGGG TTTCTTTTAT AAGGACACTA 203520

ATCCTAGTGA TGAGGTTTCT GCCCTCATGG TATAACTACT GCCCAAAGAC CCCTCCTTCT 203580

AATATTATCA CTTTGTGGGT TAGGATTTCA ACATGAGTTT TGAGAGGATA CAGACATTTG 203640

GATCATAGCA CACACCATAG GACAGACACT GTGCCAAGAA TTGTGGATAT AGTGATTCTC 203700

AAAATGAACA AGATCCCCTC AGAGAGCTTG CAAAATCCAG CTATAAAATT ATGCTTTTA 203760

AACAAATTAT GCAGTTTGAA AAATCTACTC TGAATCTTAC TTGTGGCATT GAATACTTTC 203820

GGCCACTCTT TCCTTATTAT ATTAAATATT TACTCTTGTT TGGGGGATCC AGTCTCACCT 203880

ACTTTTTCTA CCAGAACTGG TATCAGCTCA TGCTCTGCCT TATGCAAATT AAGAAAATAT 203940

CATACCTTTT GGGTAAATTA AGCCAAGAAA GTTCTCCTTT CTTCTCTTTC TCTCTTTCTT 204000

TCTTTCTCTC TTTCTCTTTC TTTCTTTCTC TCTCTTTCTT TCTTTCTTTC TTTCTTTCTT 204060

TCTTTCTTTC TTTCTTTCTT TCTTTCTTTC TTTTTCTTTC TTTCTTTCTT TCTTTCTTTC 204120

TTTTTCTTTC TGACAGGGTC TTGCTCTATT GCCTAGGCTG GAGTGCAGTG GTGCAATCTC 204180

AGCTCACTGC AGCCTTGAAC TCCAGGGCTC AAGCAATCCT CCTGAGTAGC TGGGACTATA 204240

GGCATGTGCC ACAACATCAA GCTAATTTTT GCATTTTTTT GTGGAGACGG GATCTCCCTA 204300

TGTTGCTAAG GCTGGTCTTG GATTCCTGGG CTTATGCGAT TCTCCTGCCT CAGCCTCCCA 204360

AAGTCCTGGG ATTACAGGCA TGAGCCACTG CCCCTGGCCA TTATAACTAT TTTCATTGGC 204420

TTATCAGGCA CATGATAACT ATAATAAATC AATAACCAGA ATTTTAAAT AAAGAAAGGA 204480

AGGAATTGTT TCAACTCTTC CTGCTACCCC TCTATCCCTC AAAAGGGTAG CTGAATGTT 204540

GTCCTCCAAA GATATCCATG TCCTAATCCC CAGAACCTGT AAATATATTA CCTTATATGA 204600
```

```
CAAAAGGGAC TTTACATGTT TAATAAGTTA AGAATTTTGA GATGGGCAGA TTTTCCTGAA 204660

TTTTGCAGAT GGGCCCTAGT GTAATCACAA GGGTCCTTAT AAGAGACAGG CAGAAGAGTC 204720

AGAATAAGAG AAAAATACTT CAAGATGTTA CACTGCTGGC TTTAAGGTGG AGGAAAGGCC 204780

AAGAGCCAAA AAATGCAGTG GTCACTACAA GCTGAAAAGA AAAAGAAATG GATTTTCCCC 204840

TAAAGCCTCT GGAGGGGGCA CAACCTTGCC AATACCTTGA TTTTGGCTCA GTGAAACCCA 204900

TTTTGGACTT CTGACCTTTA GAACTGTAAA TAAATAAATA ATTTTGTGTT GTTTCAAGCC 204960

ATCACAGTTG TGGTAATTTA CTACAACAGC AATAAAATAG AATTAAATAC AGAGATCTGA 205020

GGAGTTGAGT AGGATAAGCC TACTCCAGCA GGTTATTTCG GGAGTATGGT GAGACTCACT 205080

AGGATGGCGG AACTCAATTA AGGAAGTCTG AAGCTGATAA GCCAGAGAGG GAAGGCTCTC 205140

ACTTCATTTT ATAAGGGTTG CGTCACACTA GGAAGATCCA ATAGCAACCA CAGTCTCAAA 205200

ATTAATGATT ACAAATAGGA CACAATTCCA AGAGTCGGGA GCCAAGCAGA AAATGGATTA 205260

GGGAAGACAT GGATGATATG AAACAGGAAG GAGGGGTACA AGGCAGCTTC CTGGGAAGTT 205320

GCCAGGGCAG TCACAGTTCA CATTCATTAG GCTGTGGGCA CCAAATGCAT ATGGAAAATC 205380

TAGCTGACTT AACTGAACTC CTGAAGAGGA ATGAACACCT CATTTATTGA GGAGCTACTA 205440

CCAATTAGAA TATGTATTTC ATTTGTTCAA TAACCCCATG AGTACAGTAA CACAATCCTT 205500

GCTTTACTAA AGCGGAAGCC AATTCAAAGA GGTTCAGTGA CTTGTCCAAG CTCAGGGAAA 205560

ACACTAGGAA GTGAATATGG GTCTGACTCC ATCACTGATT TCAGGAGCCC TGCCCTTTCC 205620

TCCACACCAT GCCCCCTTGC TTTCAGAAAA AAAGGCTTGT TGACTGAATG GTTGTATGCA 205680

CAGTTCAAAG CAGAAACACA CGATGACATC TTTTGAGATA CTCTAACAGT GAGAACTTGA 205740

AAATGAAGTT AAAAATTAAG CGGCAAAACC AAGCCGAGGC TTTCTGAGAA AGTGGGGCCA 205800

AACCTGTTGC CGTCTGACTG CCACGTGGCT CACTATTTAT CCCTGTAAAA ATCTGCAAAA 205860

GTATTTGAAA GGGAAGAAGG GACAGAAAAC TCCCTCCTTT TCCAAGTTAG CCTTATAGTC 205920

TAGGGCTTAA AATACTGGTT TAATGGTGAA GGTAAGTGCT TTTCTTCTTT TTGGGTAGAA 205980

GGATTATTAC TAACTTACCA AAGGTCCATT AAGGGGAGGG AACAGTTTTA GGAGAAGTCA 206040

GAGAAAAGAC ATTAACAGCA ACATAAGGAT CTCCATCTGG TAATATTGCC TAATTCCAAA 206100

ATGAAGAGAC TCTCTGAAAA AGATAACTGA TTCAATGAAG ACCCTAGGGC AAGGCTTGAG 206160

AAGCCACTGG TACCAATGGA CACTGTGGAC AATGGTCATT TCTCCAAGGA CGCTGTGAGT 206220

ATTAACTGTG ATGCTGTGAT TAGTCAGACT GGGATTGGCT GTGGAATGAA ATACTGATCA 206280
```

GAACTGACAA GATTTGTGTT TGGGACTGTG GCTAACGAGT CTTTTCAGAC TTCTATATGA 206340

ATTTGAAATG GTCTCTCAGG AAAAGGAGAA CATGGCCGGG CCTGGTGGCT CACGCCTGTA 206400

ATCCCAGCAC TTTGGCAGGC TGAGGCGGGC AGATCACTTG AGGTCAGGAG TTTGAGACCA 206460

GCCTGGCCAA CATGGTGAAA CCCTGTCTCC ACTAAAAATA CAAAAATTAG CAGGGCGTAG 206520

CGGCGCGTGC ACCTATGCGC ATGCATAGTG CGCGTGCCAG CTATTCAGAA GGCTGAGGCA 206580

GGAGAATTGC TTGAACCCAG GATGTAGAGG TTGCAGTAGT TGAGATCATA CCACTGCACT 206640

CCAGCCTAGG TGACAGAGTA AGACTCTGTC TCAAAAAAAT AATAATAATA AAAGAAAAGG 206700

AGAACATGAC CAAAGTTATG AATAAGACTG AAGGCAAGAA AATTGTACGC TTGTAGAGAT 206760

CACCTAGCTT GTTGCCCTCA TTGTACAGCT AAGAAAAGGC ACCCAGGGAC ATTGTGGTCA 206820

GCACCAATTT CTCAGAAAGA TAGGCAGATG ATGAGAGGGC CCTCAGTTTT TCTAACACTG 206880

AAGGAATTGC TTCTATGTTT TCTGGTGAAC TCCTCCCCAC TCATCTTGAG GATTCCAGGC 206940

CAGAAGAATC CACTTTAAAA AAGAAACATT TAAAACCAAT TTAACAACCA ATCAAAGGCA 207000

CTTTTATAGA AATACATTTC ATTTGCTGTT GGCCTGTATT TATGGATCTG AGAGGGCTAG 207060

ACTGCCAATA TTGTGACTGT TTATTATTAT TGCTGTTGCT AGTATCTAGA ATATTATACA 207120

ACATATAACA CTTTGCAATT TACGAGGCAT GTCTCATACT TTTGTTTTCA CTCCAAACTG 207180

CCCAGTGAAG TAACATTATC CCAATTCTTC CTATGAAACA GTGAAAGCCC TAAGAGTTTT 207240

TGAAACTTTA CCTGGTTTAC TCAATTTGGG AATGGCAGAG CAGAATTCAG TCCTTGAATA 207300

TCCTCCCACT GCAGGTTCAT GCTCTTTGAT CTAGGTGTAA CATTTACTCT GAGTAAACTA 207360

GGACTCTGGG CTAACAGAGA TGAAGCAAGA CAGGCTGGAT ATTAGGAGAA TCTAAGAGCA 207420

ATCTAACGAC CATTATAATA AAATCATGAG TTCTAGACTT AAAAAAAGGG AAAAACCTGT 207480

TTTTTTGCTT ATGCGTATAC CATAATATTT ACATTATTTA TTTTTTTCTC AAATTCAACC 207540

TATACGGTGT CAAGTAATTT TTTTTAATAT AACATTTTCC TTTAACTTAA TTTCAATTCA 207600

TTTTTCTGTG TCTACTTACA ACTTTGGCAC TAGAATTCAC AATTTTTTTT TAGAGGTATA 207660

TCTCCTTAAA GGGAAGGGTT CTGACACTGT TACATGTTCT CAATTGTTTG CAAATAGGTT 207720

AATAATTATT CCAGTGTCTC TAAGTACATA TCAACCATGC CAGTGTTCAG CCTCCATAAT 207780

TTTATTAGCT TCTGTGCTTA TTTTGGAAAA ACATTCCCA TTACCATGAA AGACCTCAGT 207840

TTAGGATGGT TTGGTATGTT AGCCTGATTT CTGCATTCGT CTCATGCAAA GGAAAATAGG 207900

AAACGAAGAA CTGAAATTAC CTATTGATAC AAAATCAAAG TAGCATTTGA AACCATAAAA 207960

-302-

```
CTTAAGTAGG GCTTTTCATC CTTTCTCGTT AGACAGCAAC AGAGAATGGG AAGAAAAACT 208020

AAAGTGATGG GTTTGTGATA CAATTCCAGT AACATAAAGA GCAAGGAGAA GTAGTTTTGT 208080

TGTGTTTATG TTTAATATTC AAAGCTCAAC CTAAAAGTAT TTTTCATTAT CAAACTTCCT 208140

TCTAGAATAA ATGATTAAAA CTTGATTTAA AATATACAAA TTCTCCTTTA TAATACCTCA 208200

AAATGGAGCT ACCCCATTGA GTTTTAAGCT TGTGATTAAA ATATTACGAA AACAAAGGGG 208260

AAGTTGTAAT AGGTAGAACA AGCAGTAGTC TAGGCATTAG GGGATCTGGT GCTGGCTCTG 208320

TGCATCATGT GGTTTCAGGC AACTTTTCAA ATTTTCTACG CAAATTTTCT TATCAATAAA 208380

ATAAACAGTT GGGCCAGAGG ATCTCTGAGT CTCTTTCAGC TTTCAGTGTT TATAAGATTG 208440

GAGAAGTTGG TGGGAAAGCT TTAAGTGGAG TGTAAGTAAT TGCAGCTGCA TGTACAGTTA 208500

AAGAGTTGCC TTCAGCCAAG CCACGGGATC TTGCATAAAA AGTGAAATCA AATAGAAAAT 208560

GGTCCAAACT CTGGGTTTGA CCACAGATGA CTTCAGCTAG GATCTGAGTG TAGAGCAATG 208620

AGCTGAACTC CTGATATCCA GATGTTAGCA AGACTTGGAG GCCTTCTAAG GCAGAGCAAC 208680

AACCAGTATC TGTCCTGGTG CTGACCTGAT CTTACTAGCA ATTGGGCCTC CATTTGGGTC 208740

CATTGTACAA AACAACAACA ACAACAACAA TAAAATCTCC AAACACCCAA AATTCAAAAT 208800

TTAGATGGAG AGATACTATT CCCAGAATTC TAGAGATATT TGGAAAGCAG AAAACTATAC 208860

TTGCCATGCT GATGAAGTCC AATTATTGCT CTTTTAAATA CATTTAGCTA CTTCTGAATA 208920

TAAAATGAGT ATCTACTAAT TATTTACAAA ATCACTTGGT AAATATAGAA AGTCACAAAG 208980

AATGAAGTGA TCATCCTGTT TTGTAACCCA GAAATAGTCA TTACTGGCAC TTGTGTGAAT 209040

CAGTTTCTAT TCCTGTATGT GGATGTGCAC AGCGTATCCT GCTTTGTACA CTAGAGTACT 209100

AGCATTTTTC TAATGTAATT CAATATTGTC GAAAACATTT TAAAATAGCT TCCATCACAA 209160

TAATCTATCA AATTGACTTG CCAGACTCTC ATTATTAGGT TAATTTATCT CTAACATTAT 209220

GCAGTCATGA GTAATACTAC AAAGGATATT TTTGGACACA ATTTTTCATC TATGCCTTTC 209280

TTTATAATCC TTCATCCTAA GGTCACAGAT TATGAATATC TTTAAAGTAC GGACAAGTCT 209340

TTTAAATTTT GTGTGCAAAA ACAGTGCAAA GCCTTGAATG ATAAAATAGA GGTTTGATAT 209400

ATGTGTTTTT TTGTTTGTTT GTTTTGAGAC GGATTCCTGC TCTGTCCCCC AAGCTGTAGT 209460

GCAGTGGCAC GATCTTGGCT CACTGCAACC TTTGCCTCTT GGGTTCAAGC AATTATCCTG 209520

CCTCAGCCTC CTTAGTAGCA GGGTCTACAG GCATGTGCCA CCACACCCGG CTGTTTTTGT 209580

ATTTTTAGTA GAGATGGGGT TTCACCATGT TGGCCAGGAT GATCTCGAAC ACCTGACCTC 209640
```

-303-

```
AAGTGATCCA CCCACCTCAG TATCCCAAAG TGCTGGGATT ACAGGTGTGA GCCACTGCAC 209700

CCGGCCGATA CATGTGTTTT TAAAGTCACA GAAATTTCAG ATGTCTTGAA GGATTTTAAG 209760

CAATTTAAAA AATAAAGTCA TAGAAGCTTC AATTTAGGAA TGAATGGAAA ATTGATGATA 209820

TTCTTAGGAT ATGGATTTTT CCTAAAAGAA ACAAATGTAT GCATCCCCAA AGATAATTTG 209880

ATTAGTATAC AAATATTAAA TTAAACATGT CCATATTTAG AGCCATGAAT TCTCTTTGCC 209940

TGTCACAATA GCTGGATTTA TTCACAATTG TAGTAATTAG TCCCTGTTCA TTATAATTTT 210000

CTAGGTGATA TGAAGACTTT GTCAGTCCAA GCAAGTGTCC ACATTGTGTG TAGCAAACAT 210060

GAGAATAAAC ATTTTAAACT TTTAAATGTA ATACATATTA GTGTTATGTA ATGTCATCCT 210120

TCATGTTCGA AGGCACATGG AACATTGTTC TGGTGGTACA GAGGGGAGAG AAACACCATC 210180

AGAATGAAAG GAAAGACCGC TCTGGAACCT TCCTCCTTAG CTCTTGAGCT TAGTTTAATT 210240

GTCCTGTCTT ATGGTCTGCT ACAAGCAATA CCACTCTTCA CCTTCGCATG CTTCTCTGTG 210300

GTTTGATAAA GTACATGCAA TTTTTCATTT AATTCTTCCA GCTGCACTAA GAAAGGAGCC 210360

TTATCTTTAT TGAACAGATG AGGAAATGAA TGATTAGAGA ATTTAAATGA CTAGCTCTAG 210420

GTCACACAGC TGGAACTTAC AGCCAGATTT CCTTTTAACA ATCCTGTAAC CAAAAGCATA 210480

CCAGTAGTGC CCCATAAAAT GTAAGTTATA GAGCTGTGTT GGGTCAAAC TTTTACTGAT 210540

GCTAAGAGGA GGCAACATTA ACAAGGGGAA ATTATTTGTG TATTATGTTT TGGATTATGT 210600

TCTCTCCATA GATAAAAGAC TGTCGTAGTA AAAGAGATTC AGGGCACAGG GAAACTCCAC 210660

CACAAAGCGT GGTACCATTT CCCACAGAAG CTAAATGGAC GGGAAGCCTG CCACCAGGAA 210720

AGGTAAAGCC ACTGCTCTTG TTTGCAGGCT ATGTTAATAA GCTGAAGCTT ATTCCGACAC 210780

ATTTACACAT CTCTGCATCA CACTGACCCT TCGTAAAGAT ACTCCCAGTG TAACATTGGA 210840

GCCAGCTCCA GCCCCTGATC CTGTTGCTTT TTCCTTAGCC CCATGAAATC ATCTGCGAGA 210900

AATTAAGCCA AATAAGCAAT AAATCCTGGG ATCTAGGGAG TGGAATAAGT TTTGGGAAAG 210960

TCTTTTTTTT TTTTTTTTTG ACTGAGTCTT GCTCTGTCTC ACAGGCTGGA GTGCAGTGGT 211020

GCGATCTCGG CTCACTGCAA CCTCTGCCTC CCGGGTTCAA GTGATTCTCC TGCCTCAGCC 211080

TCCCGAGTAG CTTGGACTAC AGGCACACAC CACCATGCCC AGCTGAATTT TTGTATTTTT 211140

AGTAGAGATG GAGTTTCGCC GTGTTAGCCA GGATGGTCTC GATCTCCTGA CCTCGTGATC 211200

CACCGGCCTC GGCCTCCCAA AGTGCTGGGA TTACAGGCAT GGGCCACCAC GCCTGGCCCG 211260

GGAAAGTCAT TTTAAACCAA CCTATGTATG AATCCCTACT ATAATATTCT CACCAAGCGG 211320
```

CTGGCTCTTT CTCCTGAGCT TGGAAACCTC CAGTAAAATG GAAATAATTA TTTCCCAGAC 211380

CACCACTCTT ATCTGTGAGC TTTTTTGGCC ATTAAAAATT ATTTCTTCCA TTATATTTTT 211440

ATCTGTGTCT TCACAGGTTT TCTCTTTCTT TCACTTTAGT GCTTTTCTTC AAATAAGCAG 211500

GAAAAATCCA ATCTATCATG CACATGGGAA CCCTTTCAAT ATTGGTCTGT GGTTGTTCCA 211560

TTTTATGGGG ATGCTTTTAA AGAAAAATT TGTCCTTTCA ATATATTGAA TATCTTCCAG 211620

CACCACATCA CCTGCAAGCT TTGTAAAAAT AGTTCTACAT ATTAATTTTT TTTTTTTTTG 211680

AGATTGAGTC TCATTCTGTC ACCCAGGCTG GAGTACAGTG ACATGATCTT GGCTCATTGC 211740

AACCTCTGCC TCCTGGGTTC AAGTGATTCT CCTGACTCAG CCTCCCGAGT AGCTGGGATT 211800

ACAGGCATGC ATCACCATGC CTGGGTAATT TTTGTATTTT TAGTAGAGAT GGGGTTTCAC 211860

CATGTTGACC AGGCTGGTCT CAAACTCCTG ACCTCAAGTG ATCCACCTGC CTTAGCCTCC 211920

CAAAATGCTG GGACTACAGG CGTGAGCCAC TGCACCCCAC GTAGTTTTTT TTTTTTTTA 211980

AGTTGAACAT ATGTGAAGGC AGGACCTAGT GACACATAGC AATAACATTT CCAAGTAGAC 212040

ATTACACTAG GGAATTAGTC AAAGTGCTCA TTTAAAGTAC CATCTCTCAA ATGTATTAAA 212100

AGAGAATCCT TGGATGTGCA ATACCTTAAT TCAAAGGCAG CTCGTTATGT ATAAACTCTC 212160

AAGCTTTGTG ATAAACAAAT GTGCATAACA GATGGGACTA TTGACTTACA GCCCAGGGAA 212220

TTTTATTGAC GCTGAGAAGG TTATGTGACT GGCTCTGCCA CTGTCATCCC CATTCACTTC 212280

ATTTTGGAGC AATATGACAT AAATGCCTTA CATGTGGGTT TTCTCTATTT ATCATGTGTT 212340

TCCTATCCCC TTGAAAGATG GCCATATTTG CTTTACTTGG TTATAAGATC CCATATTCGC 212400

TGTCTTGAAG CCAACCAAAT AATTTGACAA AGTGGGTTTG TAGTGCTGGC TATTTTGGTG 212460

AAAAAAAGAC AATGAGACTT CATGTGTCAT CCAAAGTTCT ATCAGATCGA GCTGTGAGAG 212520

AAAGGAAAAG AAAGGGGTCT CAGTCAGGAT GCTCACTGCA TACATCTGTG TTGTTGTCTA 212580

GGTCCAGATT TCTGTTCATT ACGCTATGGG CTGGCTCTTA TCATGCACTT CTCAAACTTC 212640

ACCATGATAA CGCAGCGTGT GAGTCTGAGC ATTGCGATCA TCGCCATGGT GAACACCACT 212700

CAGCAGCAAG GTCTATCTAA TGCCTCCACT GAGGGGCCTG TTGCAGATGC CTTCAATAAC 212760

TCCAGCATAT CCATCAAGGA ATTTGATACA AAGGTAAGTA TGATGGAAAA TAGGGCTCTT 212820

TGTTGAGAGA AAAAACTTTG AAAGGAAGGC ATAGATCTTG ATTCTGTGGA GTATGGAAGT 212880

ATACATTTCC AATGACAAAT TAAAACTGAC TGGAACTATT TTTCTTTGAG ACATTGCTTA 212940

CTTCAATAAT AAAAATAAGA TTTCATTGAG GTTATTATGA TTATAAGGTG GGGGAACTGT 213000

AGAGTTAAAT GTGAAAAATT TAAAAATGGA ACAGTTTATG TGATGTCTTC AATGAAAAAC 213060

TAGGTATTAC CTGGGCACAT TCTTATAGGT TACTCAATCC TATTCAGTTC TCTGCCTGTT 213120

TTATTGTTTC TGAGCAATTT TATATCCCTG TAAATTCTAT ATAACCAATA GAAATGCAAA 213180

CGATTCTTGT CCATAGCTTT GCAAATAAAT TTTGCCAAGA GAAAAATCAG TTAAAACTTT 213240

TCTCCACTCA CCTCCCAGTT GAATTAGCCA ATTTTGCTGT TTGTTTGTTT GTTTGTTTTT 213300

TGAGATAGAG TCTTCCTCTG TCATTCAGGC TGGAGTGCAG TGGCATGATC TCAGCTCACT 213360

GCAGCCTCCG CCTCCCGGGT TCAAGAGATT TTCCTGTCTC AGCCTCCCAA GTAGCTGGGA 213420

GTAAGGGGGC ATGCCACCGC GGCTGGCTAA TTTTTGTATT TTTAGTAGAG ACAGGGTTTC 213480

ACTAGGCTGG TCTCGAACTC CTGACCTCAG GTGATCCACC CGCCTCGGCC TCCCAAAGTG 213540

TTGGGATTAC AGGTGTGAGC CACTGTGCCA GGCTCTGCTG TATATTTAAA GTCTATTTCA 213600

GCATTGCTTC CTGCTTGTGT TATGCGTGAT TCTTTGAGTT TTCCTTTGAA CCAGTTATAA 213660

CATCTTACTT ACTTCCTCCA TTAATCAATG AGTTAAATAA AATCTTTGTT GTATGTTTAT 213720

TTTACATTTA TATGAAAACC ATGAATTTAC CCAATTAAAA AAATTATCCT TTAAATTATC 213780

TTGTACTGTA CATTTCCCAT GTCATCCCTA TAATTCATGA TTAATGATTT TATTACATTG 213840

GACCTAGCTT ATTTACAATG AGTACATAAA TTTATTGTCT CCAGTCTTTC CTCCATTATC 213900

CCGTCTACAT ATCCACACTG AGTAGATTCA CTACTCAGGA ATCTTGGACA CCTTCAAGTT 213960

GCCAAACATG CAGTGTTCAC TGGACATGCT GTGTTCCTTC AGAATTTGGG CCTGCTTCTC 214020

AGCACACTCA CATCTGCTAT CAATGACCCA TGGAAAGTTT TTGCCCTGAG CAAGCCAGAG 214080

TCCCTGTTAG TTTCTTCCAA ATGCTACAAG TTCACTTTTG CTATTTTTTC CGATGAGATA 214140

AAATTTTCCT TTTTGACTTT CTACAAATCA TAGTCATTTT TCAAGGGATA GTTCAAGTAT 214200

TGCTTCCTTT CTGGGACCTT CCCAAATTAT TATTTCTCC TCTCAAAGTC TCTGTTTTAT 214260

TTATGTTCAT CCTCAAATCT TGATTCTCAC ATGAATCATA TACCTTGTAT TATTTATAGT 214320

TTTTTTGAGT AGGTAAAATA TTTCATATTT TATATTCTTT GGCTCTCTAC TTTATAGCAT 214380

GATGCCAGAT ATTTAGGGGC CTTACTGCAT TTATTTTTTA TTTTATTTTA AAATCTATTT 214440

TATTTTTTAT TTATTTATTT TAAAATCTAT TTATTTTTAG GTAAATATTC AGGTAATATA 214500

ATTTATGTAA TTATTTAGGA ATTTAGGTA GTTATTTTAA AATAATTCAA ATTATTTATT 214560

GAGTTATATC AGAAGAATGT GATCTTATTC ATTTGTAATA TGTGTTTTAG GAACTCAGTT 214620

CAGCCAGGGC AGACCATAAT TCCCAAACTT GACTTTTCTT TTTAATTAGG CACTGATTTT 214680

GGTTAAGAGT TCAGTAAAGT TTTGTGTGTG TGTTTTAAAA AATTCTTTGA TATAAGAGTC 214740

AAGATGTTAC TCAACTTTTA CTAGAAGCAA AATAGAGGAA GTGCTTTCAC AGATGAAATA 214800

TCTCTCAATG TTTTCTTCCA TTTACTTCTT CCTATTATTC ATCTATATAA TCATTTTCTT 214860

TACCTCTTTT CTTCATTTCT TCTGTTTTTC TCTCCTACTA AGACAAGCAA ATTAGGGGTA 214920

TAATTGGTTA TTTGGGAAGG TAGGAAGAAT ACAGAGAGAA ACAAAAATCA ATATTTATA 214980

CTAGGGTCTC ACTAACCTCA AGCAACTCTG ACTGTAAAGT AGATTTTCAT AATAGGACTT 215040

CTTGACAAAG AGTTTTCCTA TTTTTCCCCC AGGCCTCTGT GTATCAATGG AGCCCAGAAA 215100

CTCAGGGTAT CATCTTTAGC TCCATCAACT ATGGGATAAT ACTGACTCTG ATCCCAAGTG 215160

GATATTTAGC AGGGATATTT GGAGCAAAAA AAATGCTTGG TGCTGGTTTG CTGATCTCTT 215220

CCCTTCTCAC CCTCTTTACA CCACTGGCTG CTGACTTCGG AGTGATTTTG GTCATCATGG 215280

TTCGGACAGT CCAGGGCATG GCCCAGGTAT CCAGATACTT TCTCATTCTT GGTGGGATCC 215340

AGATTTCTGA ATTCTACAAA ATATCAAAGG TCTTAATGAT TTTCATTTCA GGGAATGGCA 215400

TGGACAGGTC AGTTTACTAT TTGGGCAAAG TGGGCTCCTC CACTTGAACG AAGCAAGCTC 215460

ACCACCATTG CAGGATCAGG TAAGTGTGCA CAGATGGGTC ATAGCTTTGT CATCTGTTCC 215520

ATCCCACTGT GTCTTATCTT CTATGAATCA AATGGTTTGG GGAAGAGAGA GAAAAAGTAC 215580

TGCTGAAAAA TTCAACAATA TAAGACACTT GCATCACAAA TAGGAAAGAT GCATCTGTGC 215640

AGTAAAGACA TTGAAGCTTA GAAGTAGAAA AAACCATTGT GAGCTAGGTT TCAGCTCAGA 215700

AAAGCCTTAG TAGTCAGAAA AGCCTTAGTA GTCAGAAAAG CCTTGTCGGA AAAAGTTTAA 215760

ACCTTTAAGA ATTGCACACA TGGAAAAAGA TCAAGTAAGC TATATATACA CCATCTTAGC 215820

AATGATTTTG AAGTGAGAAT TAAGGCTACC ACAGCTCCAG GTGGTAAGGA GAGAAATCAG 215880

GCTGGAAGAG TTTGAAGTTT CTGTATTATT CTAAGCTCTT TACTATTCTA TTATGAGCTC 215940

ATTAATTCTC ACAACAACCC TCTCATATAA GTACCATTTT AAATTCTTAT TTTACAGAGA 216000

AGGGAGTTAA GGAAGGTGGA GATTAAGAAA ATTGCCCAAA TACAAATAGC CAGCAGGTGG 216060

TAGGTCTGAG ATTTAAGCCC ATGCAGATTT TAGCCCCAGA GCAGACATTC TCAATCACTA 216120

TGCTAGACTG CCTTTCCATG GTATGTGATC CTACTCAGGC CTCTACAGCT TTATCATTGC 216180

TGTTCTCCCC AGCCTGTCGT GCTGAGAGTA TATACTCGAA GAGCAGAACT AAAATTCCAT 216240

CCAGCTTCTC ACTCCTAGGT CCACTACACA GCTGCATCCT GCAGACTTTT ACCTCAAGCA 216300

ACCCTCCTGC GTTCTTGCTT CCTTCCATCA TAGTTGTAAC CATCTCCTCT ATTTGCAAAT 216360

ACTATCTGCT GATCTCTCTC TTCTAGACTG GTTTCTTTCA ACCTTCTTCC CACCAAAACC 216420

AAGTTAGCTT GCTAAAATAA AGATGGCGCA TTTTTACTCA CCCGCTTGAG AATTTTCAAT 216480

GTGTTCCTTC ATGCTTACAG AGTAAAGCCT GACCTCTTTA TTGCATGAAT ACAAAGTTC 216540

TTAGCCATCT GGCCCCAACC TTGTTCCACT CAACTCCCCT GTGCAAGCAT GGCTCCAGTG 216600

GCACTGGACA TTGGCTGCTC TCCACATAGA TCTGCACTGC ACTTCCCTCT GGCTCTGCTC 216660

CCGTTAGTTT ATATGCCTGG AAAGTTCTTT GCCCCTGTTC CTTGTGCCAA AATTCCATCT 216720

ATCCTATTGC ATAGCTTATG TAAAAACTTC CTAAACCTTT TTTTTTTTTT TTTTTTTTT 216780

TTTTTTTTTT TTTTTGAGA CGGTGTCTCA CTCTTCCGCC CAGGCCGGAC TGCAGTAGCG 216840

CTATCTCGGC TCACTGCAAG CTCCGCCTCC CGGGTTCACG CCATTTTCCT GCCTCAGCCT 216900

CCCGAGTAGC TGGGACTACA GGCGCCTGCC ACCATGACCG GCTAATTTTT TGTATTTTTA 216960

GTAGAGACGG GGTTTCAAGC CAGGATGGTC TCAATCTCCT GACCTCGTGA TCCGCCCGCC 217020

TCGGCCTCCC AAAGTGCTGG GATTACAGGC GTGAGCCACC GTGCCCGGCC AAAACTTCCT 217080

AAATCTTATA ATTATTATCA ATTTATCCTC AGATATACTT CCACGTACAT TGTAGTTTTA 217140

TTATATTTAT ATTTTACATC TTTTTTTTCA AATTGCAGTT TGGGACCCAT TAGTGAGTCA 217200

TAAAATCCAT TGAGCGGGTT AAAATCATTA TTTTAAAAAA TGAGTAGAAT AGAATAGAAA 217260

TTGTTGGAGT GCATTGGACA TGGTAAAGTT AAATATCGAT TCATGAAACC ATCGTTTGAG 217320

GCATATGTGT GTGGTTGTAT GTACAAGTGT TTATGCATAT TGGTGTGTGT GTTATGTTAC 217380

CCTGTAAAAT GCATTCTTA CTATAGGTCT CTGTGAAATA TGTGTCTTGT TGTTTTTTAA 217440

TGTAGACTTC CAAAGCCTAC ATGGCATTTC ACTAGTGACA ATCAATTTTA TTCACATTTT 217500

TCTCTCCAAT TGGACCAGAA GCTCTTTGAG GGCAGGGGCT GTATCTTACC GATTTTTGTA 217560

AGTCTTTCAT TTCCTGCCCC TAGCCTCATA TTAGATCATG CAAGAATGCA ACTGTAATCA 217620

CAAGAAAATG CTAATGGGCT GTGATAGCAG AGAGTTACTG TGACAAACTA AGGGATTTAG 217680

ATTTGGTCAC ATTGGTGTTG AGGAGCCATT GAAGAATCAG AGAGTGTGTT ACTATTATTT 217740

GTTAATTTTA ATTATATCAT ATTACTTTAC TGGGGAAAAT CTGTGAGCTA TTTTAGAAAT 217800

AAATACTCTC ATTGCCCAAT AATTCTAAGT CTGCCACCTC ACTGTTGGGA CATTGTTTAG 217860

GGAGGCCACG AAGTCTCAGC CTTTGATATT TTCATAAGTG TTTTTCTCCC TTTTTCCTTT 217920

AGGGTCAGCA TTTGGATCCT TCATCATCCT CTGTGTGGGG GGACTAATCT CACAGGCCTT 217980

GAGCTGGCCT TTTATCTTCT ACATCTTTGG TGAGTCACTT TCTCTTAAAT CCTAATGCCT 218040

CCATTTCCTG AGCATCCATT TTGGCACCTA CACCACCCAC ATTCTTCCTA TATGAAAGAA 218100

AATGTCCTTT ATCAAATGGA AGATGATAAA AAATGTCAAC GGTTGGTATC ATTTTTAATC 218160

TAGTCACACA ACCTGATTAA CACCTTCCTG GTGGTTCTGG GAAGCCACAC GCAAAAGGTA 218220

GAGGAGTTGA CTATTCACAT GGCACCCACC GACTTGTGAT GCAGTCTTGT CCTTCCATAT 218280

CAAGCACCTT CTGCAGAATC TCTACCACCA CATCTGAAGT GCCTGCTATA TGCAGTTAAG 218340

ATGTCAAAGA TAGTGAAGTA CATTTTCAAT GTGTCTTCAT ATTTCATTAT AATTATTATT 218400

TCTGTCCAAG ATGCCTTTCA CCTGTTCTCT ACCAAGTTAA TCTTGCAAAG TTCAATTCAA 218460

ATGTTCCCTT CCCCATGGGC CCTTCCAGGG CTTACCCTGT CAGATTCTGG CATTCTCTCC 218520

TTTATGATAT TTCCTCTCTA GGTTATGTTG GTGTGTAATT ATTTATTTCT CCTTTTCTTT 218580

CCACTAGACT GTGAAATGCT TGAGGCAAGG AATCCATTCT ATGTTTTCAT CACTTGGGTG 218640

TCATCATGGT GCCTGATTTT TAGCTTTAAA ATAAAGAAT CAGTGAATCC AGTAATTAGA 218700

GGGGATTTAA AGAAAACTAG TCCTCAGAAT CTTTTAACAT AGAATGTTCT TCAAATAAGG 218760

AATTCCAATA ATAAGACAAT TTTCTACACT TGATTTTGTT TTTATAGCCA AATGGTGTCA 218820

TTAAATATAG TCCTGGCCTG AATGGCTTTC TCATTAATGA TGCTAATTAT TTTGGTTTGT 218880

ACATGTTAAC CAGGTATTGT ACAAAAATAT TTCTTTTGGG AATCCATAAT GGATGTATGG 218940

CTTGAATACA AATAATACTG TCTCTTGTAA GTGCATTGGA AATTTTTCCC TGCCACATGA 219000

TTTCATGGAA GGTTGTTTCG TGTATGTATG ACTGCAAACC TGACTATTCA GATCTTCCGC 219060

AACAAGACAA CTTATGTGTG CATTAAGAAG TTGCTGCCTA AAATACATAA CACTGTAATC 219120

ATTGGAGACT TTAAAGTAAT TAATCAGCTA TGCAATGCCA CGCTCCTGTT ATCTCCAGAG 219180

GGCTCTGACA TTGACAAATG GTGGCTTTCT ATTTGAGACG TAATATCTAA AAAGCTTTAA 219240

CAGGTTTGTA GAAGGATTGA AAGAAGAAT GGGAACATTT AGGTCCTTAT GGTAGAATAA 219300

GCATTAATTG ATTAGTGTGT AGAAGGGAGA GGCATGCCAC TTCAGAGGAA ACTTCCTTCC 219360

CCCAGTAAAC AAATCTACCT AAAAACTAAT TTTATCCCTT CTTCCCAGGT AGCACTGGCT 219420

GTGTCTGCTG TCTCCTATGG TTCACAGTGA TTTATGATGA CCCCATGCAT CACCCGTGCA 219480

TAAGTGTTAG GGAAAAGGAG CACATCCTGT CCTCACTGGC TCAACAGGTA CAGTGCACAC 219540

CTTGTACCTG TGGCCCATGC AGAGGTCTCT AGGGCAGGGT GTGGATCTCC TCTGAGAGGC 219600

ACCATCTTGG CTGCTCTAAT ACTCATGCTG ATTAGATCTT TCTTTTCAGC CCAGTTCTCC 219660

TGGACGAGCT GTCCCCATAA AGGCGATGGT CACATGCCTA CCACTTTGGG CCATTTTCCT 219720

```
GGGTTTTTTC AGCCATTTCT GGTTATGCAC CATCATCCTA ACATACCTAC CAACGTATAT 219780

CAGTACTCTG CTCCATGTTA ACATCAGAGA TGTGAGTTTA CTTCCTATAC TTCTACGAAA 219840

ATGATAATGG TAATAAGGAG AAACAGTTCT GTGTTACCTA TTACATTCTG GCTTTACATA 219900

TAACCATTAA TTTAACCTTC ACAATGACCT TGAGAGAGGC ATTGTTATAA TTCCCTTTTC 219960

ACAGATGTGG AAACAGGACA CTTAGAGGTG AGATAACTTG CCCCAGGTTG CACAATACTA 220020

AGTGATAGAG CTGCTGCAGC ATCCATATTC TTAACCACTA TGCTATACTA CCACACCAGC 220080

TGATTCCAAA GCTTCTTTTA GAAATAATAT TGCTGGGCCA GGCATGGTGG CTCATGCCTG 220140

TAATTCCAGC ACTTTGGGAG GCCGAGGCAG GCAGATCATG AGGTCAGGAA TGCAAGACCA 220200

GCCTGACCAA TATGGTTTAC TAAATATCAT CTACTAAAAA TACAAAAATT AGCCAGGTGT 220260

GGTGGCAGGC ACCTGTAATC CCAGCTATTC AGGAGGCTGA GACAGGAGAA TCGCTTGAAC 220320

CCAGGAGGTG GAGGTTGCAT TGAGCCAAGA TCATGCCACT GCACTCCAGC CTGGGCGACA 220380

GAGTAAGACT CCGTTTCAAA AACAAAAAAC CCAAGAAATT AATATTGCTT TTATCTGGAG 220440

CCCAGAGTGA TGCAGCTTCT GGCCCTCTTA TCTGAGACAG TGTTCTTTTA GTGTGAAAAA 220500

GGATGCTAAT TTTCCCCCAA ACAACCCACA GTATCATGGG GGTAAGTTAA TGGCTGGTCT 220560

GTGTAACTGA CAAATTTTGG TGCTAACGTA TCTCTATAAC TACTCTGTAT AAACTTCCTT 220620

CCTTCAGAGT GGAGTTCTGT CCTCCCTGCC TTTTATTGCT GCTGCAAGCT GTACAATTTT 220680

AGGAGGTCAG CTGGCAGATT TCCTTTTGTC CAGGAATCTT CTCAGATTGA TCACTGTGCG 220740

AAAGCTCTTT TCATCTCTTG GTAAGGATAA GCGTGTGGGC CCATTTAACC AATCCCTTTT 220800

CTGCACATGG TCTCAGAGGG TTCCCTGACA GCATGTCCTC ATTGCCCAGG GCTCCTCCTT 220860

CCATCAATAT GTGCTGTGGC CCTGCCCTTT GTGGCCTCCA GTTACGTGAT AACCATTATT 220920

TTGCTGATAC TTATTCCTGG GACCAGTAAC CTATGTGACT CAGGGTTTAT CATCAACACC 220980

TTAGATATCG CCCCCAGGTA AGAGCTCTAC CTGTTTTTTC CCCTCCTCCA GACCCCTCCA 221040

GAGGTGTTAG ACCTCAGTGG TCGCCGTGAA ACTCTTTAAT GTTACTGACA TTGCACTAAT 221100

GGCAGAATGA CAAATAACTA CAAATATCTG TCTGTGGCCA TTTTTAGAAC AACAAATGTG 221160

GCATTTTTAG AACAACAATT TCCAATCTTG GCCAGTAATC ATTTGACAA AAACCTTCCC 221220

AAGCTTCCCT AACAGAGATT GAACTGTGTA TGCTGGGAAA AGGCCCACAC ACAGGTGATT 221280

TGGAAAAGTT TCCATGGTGT TGTTCATATT AGCTACCACA TATATATATA TATATATATA 221340

TATATATATA TATATATATA TATATATATA TACAGTCACA ATAAGCCAGC TCCTGTGCCA 221400
```

```
AGACTTGCCA TATATCAACA CATCTAATCC TCACAGTTAT ATTAGGTAGG CCCTATTGTT 221460

ATCCCCATTT TATAAGGGAG AAGGCTGAGG CACAAGGAGG TTAAATGGTG TGACTATGGT 221520

CACATAAAGG CAGAGCCAGG ATTTGGACTG GGGGAGTCTG GCTTTGGAGT CTGTGTCCTG 221580

CCCGTTGCAC AAACTGGCTT CTACACTGAG CAGCCAGGGT AAAGAAACGT GGTTCCCAGA 221640

GAGACTGCAT TGCTCCCTGG TTATTGACTT GGTAGATTGG TAATTTCAGG TTTGGCAAAT 221700

AGACATTGCC CTGAATGTCT TTAGGTGAAT GAAAAACTGC ATTAAGCAAA ATGACTTTGC 221760

CATTAGAGCT GAATTGCATT AAAGTTGAGT TGCTGCAGAA GCTGTAGGTG GCTTTCTATA 221820

TAAAATCATT TATAAAATCA TCTTCCCATA GATATGCAAG TTTCCTCATG GGAATCTCAA 221880

GGGGATTTGG GCTCATCGCA GGAATCATCT CTTCCACTGC CACTGGATTC CTCATCAGTC 221940

AGGTTGGGTC AGTTTATTGA ACATCTTCAA GTGGCAGGTA TTGTTTTAGG TGTTGGAGAT 222000

ACACACGGTG CTCTAAAGAT CTGGATGGCA ACACAATTAC TCTATTTACA TGAGCCTCTA 222060

AATCAGACTC TGGTAGGTCA GATTTCCCAG AGGAAGAAAA ATATAAGCTT ATTTTCTCAA 222120

GATGAATAGA TGTTAGATTG ATTAAAATGA GCTGTTCCGG TGCAGAAGAC AGCACGTATG 222180

ACTTCCTAGA GGTACATGAG CATGAAACAG TTCTTAGTTA TGACCAGAAT GAAAGACACA 222240

TGTCAAGGAA TAGCAAGAGA CGAAGACAGA GGGGCAAAAG AAGATCATGA AGAATATGTT 222300

CAGACTAATC CAATTTTTAA AAAATCACAA AAGGGAAACA AAGTGTCCTA GGCCAGTTTA 222360

AAGATAATTT AATGTCTGGA AACAGATCGG CTGTGAGACA TTGCAAGGAG GCTTGCTCGG 222420

TGTTTGGAAA TGCAGGCTCA TGAGGAAGAT GAAAAGACAG ACCCAGGCAG GGATGGAAGG 222480

ACTGACTAGA ACCAACTTAC AAAGAGAAGT TTTGTTTTTA CTACATTTCT ATGTGATCAA 222540

GTTCCCAGGT TAATATTTGA CTAAACTGCT AGGAATCCAC TGTGACTATA ATGCTGGAAA 222600

TGACTTAGTA GGGCTTTCTG AGGAGGGTCA CACAGAAGAC CAAAGAGAAC TCATGTTGAA 222660

TTGAGATGGG TTATAGTGAT AGTTGTCAAC AGCCAATACA GAAACAAAAA AAAACAAAAC 222720

AAACAGCAAC AACAACAACA ACAAAAAAAA AAAACAGAGA AGACACAAAC ACAATGCCAC 222780

AATGCCATTT TAGGCATAAT TTTAAATGAG TAATATTATA TGTTGAAATC CAAATTTTCA 222840

GAAAAACATT AGTGTATTTT ATTTTTGTTT AAAGAAATAA CCATCTCAAC TCAGAACCCC 222900

ATGTGCATTT TGGCCATTTT GTTTCCAATA GTTTCATAAA CTTTCTTAAG TAACTACTGC 222960

ACATTGTTCC TTATATTCCT TGTGATCAAC ATTGCAATAC ACAACTGGGA GGGCTACTAG 223020

AACTGGTGTA GAAGGAACTT GTGAGATTGA TCATTTTCTC TGTTTTTTAC ATCTAGGATT 223080
```

-311-

TTGAGTCTGG TTGGAGGAAT GTCTTTTTCC TGTCTGCTGC AGTCAACATG TTTGGCCTGG 223140

TCTTTTACCT CACGTTTGGA CAAGCAGAAC TTCAAGACTG GGCCAAAGAG AGGACCCTTA 223200

CCCGCCTCTG AGGACATAAA GTTACAAACT TAAATGTGGT ACTGAGCATG AACTTTTTAA 223260

ACATTTTTTA CTTCTCTCCA TATTCCTGAC CATAGACTCA GCAGTTCTTA ACTCTGGCTG 223320

TGTGTTAGTC TTCCCTGGGG AGCCTTTATA AGACACTGAT ACTTGGGACC CACTCCAGAG 223380

ATTCTGAATG AATTGGTCTG GGGTGGAACC CAGATACTAC TAATTTTTAG ATACTCCTTA 223440

GAGGTTTCTA GCATGCGCCC GGGGTTGACA ACAGCTGGAC AAACTTGAAA AGTCAATTCA 223500

TGTGGCCTTT GAATTTTCCT CATTGGAAAG TACTAAATAA ATAAAAATTC ATGTGAAAAT 223560

GATCACTGAT AAATATCTTC ATGGTGGGGC AGGTTATTGG ATGCAGAGAA GATCTGCTCG 223620

GAATTGTAGC CATATGTTAC AGATCTCAGC ACCGATCAGA ACTGTAAAGC TATAATCCCC 223680

AGAATTAAAG TTTTTATTAT TTTTTATACA TTGTAAAACA TAGACGTTTA TTTATGTGAT 223740

TAAATTCTAT TAAAATTTAC ATGCTAAAAT AAAATAGACC ATTTTCAAAT TATTTAGATC 223800

CAGATATTTC CATCAGATTA AACAGATATT TATTTATCCT AGCCCAATTG CAAGAGATTA 223860

ATGATGAGAA AATGACCAAT ACAAGATTAA ATAAATGAGG TTAACTTAGA AATCAAGGAC 223920

AGAGAAGATA GAACTGGAAA GCTTGTATTG TGAGAAGAAT GAATGTGAAG GAAGGCAATG 223980

TAGACACTTC CAGAAGGGAT AGCAATATAG TTTAGACCAT ATAATGAAAA TTGGAGAGAG 224040

ATGACAGAGA CACTTTCAAG TGAAATGACA ATTTATATGG GGGAGAAAAA TATTGAAGAC 224100

ATAACAAGAT GAGAAAAGGC ATAGAAATGT ATCACATACA AGGCATAGAA GTGTATCACA 224160

TACAAGAGAA GTTCCTTTTG AGCGTAGAAA AAGATAATTT AACCTTCTTC ATATTTTTCT 224220

TACTTTCCCA AGATACTCAG ATAGGCAGCG TCAACTCTAA CAGGAATTAA TTTGGCTCCT 224280

AACACTTAAG ACATATCCTT TAGTTTGTCT CCTCACACAG AACTGATTCT GGTTTTGCCA 224340

CAACATGTCT AGAGAAGAAG TTCCCACCAT ATTTTAAATC CTATTAAAAA ACTGCTTGGA 224400

CAAGAACCTT GGGCTAATTC AGCAGATGAA GAGAATCTCC TAATGCAAAT CAATGGGTAT 224460

TTTTGAGCAA GTTTTTCAGA AAAACAGAGT GTCAGGCCCT GAGGGTGGTA CTAAGATGAG 224520

AACATTGATT TTGCCTTCAT GATATTGACA ACACAAAGAG GAAAGGGGGT TTGCAGAAAA 224580

CTAAAGAAG AAGTAGAAGA AAAAAGAAAG ACATAGTATA ATAGGTAGTC AAATTATGTA 224640

CAGAAAAAAG AGGAAAAAAA ACCAAAAAAG GGTGGGGGAC AGACAACCCA ACTAAAAAAT 224700

GGGCCAATGA CTTGAACAGG GACTTCATAA AAGAGAAAAT GTAAGTGGCT CCTTAACATA 224760

-312-

```
TAAAAAGATG TTCAACTTCA TTAGTCATTA CAGAAATGAA AATCAAAACT ACAATGAAAT 224820

ACCACTATAA AATTAACTAA TGGATAAAAT GAAAGGAGAT GGAAAACAAA ATGTTGCCAG 224880

ACATGTGGAG CAACTGGAAC TTTCATACGT TACGAATGTG AACTTTGGAA AGCTGCTCGG 224940

CAATATCTCC TAAAGCTAAA TGTACAATTC CAGTGACTCA GACATTTTAC TTAGAAATGC 225000

ACATATACAT CCATAAAACA TGTACAACAA TGTTCATAGG AGCACTATCT GTAATAGCCT 225060

GAACAGGAAG TTGTCTGTTA AAAAAGAAT GAGTAAATAA ACCACGGTCT ATTTGTATAG 225120

CAATGAGAAT TAACAGACCC CAATATATAA TAGATGAATG GGTCTCATAA GCACAATATT 225180

GATTAAAGGA AGACAAAACG CACATTCTTT TAAAGGTTTA TAAAATACTT TTTAAAAACA 225240

GCTACAACCA ATCCGTCCTG TTAAAAATCA GTGAGCGATT TCCCTTGTGC AGGGATGGGG 225300

GTTGTGGCTG GATGGATGGT ACTTAAGAAG TGCTCCTGGG GTACTAGAAA TATTTTATTT 225360

CTTGACTTGG ATGTGTGTTT ACTTTGTGAA TATTGTACAT TTATGATTTG TGCACGTTTA 225420

TGAATGTAGA AAATAAAACA GAAAGCAAAT TCAAAGTATC ATCCTTTTGA GAGCTTCTGC 225480

TCTGACTTCG TTTTGACCAA TGGAGCAGTT GGGAAGGGGT CTTGGTCCTT CGGTCCTTTG 225540

CTTTTTTTTT TTTTTTTTTT TTTTAGACAG AGTCTCACTC TGTCGCCCGG GCTGGAGTGC 225600

AGTGGCTCGA TCTTAGCTCA CTGAAAGCTT TGCCTCCCGG GTTCATGCCA TTCTCCTGCC 225660

TCAGCCTCCC CAGTAGCTGG GACTACAGGC ACCTGCCACC ATGCCCGGCT AATTTTTTGT 225720

ATTTTTTAGT AGAGACGGGG TTTCACCATG TTAGCCAGGA TGGTCTCGAT CTCCTGACCT 225780

CGTGATCCGC CCACCTGAGC CTCCCAAAGT GCTGGGATTA CAGGTGTGAG CCACCGCGCC 225840

CGGCCCCTGG TCCTCTGCTT TCATGTTCTT CTTGGTCCTG TTCCTCCTCC TCTTTTGTTG 225900

GAACTTCCAG TATCAGAGCA GGAAGGAAGG CAATGGGTCA ATCGATGCTG TCAGCTTTTG 225960

GATCAAACTG CAAGTTCTCA AACAGCAAAA TTAATGAGCT CAGGCTTTGA AGAAACCATG 226020

ACCCTGAAAG CATCAGTTGC TTCCAATTGC ATCAGTTGCC ACGGGTGATA AGAACAATGA 226080

TGACTCAGAA TGCCTAGGTT TTCCCAGCAG CTTCTCTGAG GTTTTCCCAG CAGCTTCTCT 226140

GATTGATTCC TGACAGATGA CTTCGGTGTG TCAGACTTTC AGGGTATCTT TCCTTATGTG 226200

ATGGTTTGAG GAAGAGTTAC CATTCACATT CCTAATGGCT TCAGAATAGA TGCAATTGTG 226260

AACTGATAGG AAACATTTCT AATTCATCTC CCCTCCCCAT CCCTAAAGGA TTGTTTCTAA 226320

CAATAGTCAT GAAAATTAAT TCACTTTTCT CAAATAGTTT ATTGTCATCT ACCTAATGAT 226380

GAGATGACTT ACTTTTTCTC CTTGACTGTT AAATATTATG AATTATATTA ATGTATTTCT 226440
```

TAATGTTGAG CTTTCCCTTG AATATTCTTT TGATGTACGA CAGAATTTGA TTCACTAATA 226500

GTTTATTTAG GACTTTGGCT GATGTACTGA TATATGAGAT TGGCTCTGTA TGCATACATG 226560

TGTTTTGTGT ATCTTTTTTG TGTCTGGATA TGGAGCTTAT GCTGATTTCA AAAACAAGAA 226620

AGGAGAACTT TCCTTTTTCC CCATTACTCT GAAAAGATT GACTAGAATG GAATTTTTAT 226680

AATTGCTGTT GTTATTTGAA AGCTTGAAAG CATTGGTTTG TAAAAATCAT GCAGGCTGAA 226740

AGCCATTTTG AGGAGACTTT GATAACTTTC TCAATTTCCT TCAGTTACTG GTCTTTTAAG 226800

GGGTTTTATA TTTTTCTTTG ATCAATTTTG ACCATTTATG TTATCTTGGA GGATCATCTA 226860

TTTTACACAC TATTTAAAGT ATATTTGCAA AAATTCAACT GTTTTATCAG GCTATCTTTT 226920

TAATAATATA TTCATTTTAT CTATATCTGA GGTTTTAGCT TCTTTGTACT TCTGACCCAA 226980

TTGCATGTGT GCTTTCTTTC TCCTTCATTA GACTACTTAG TCATTTACTA ATTTTAAGAA 227040

TAGCTTGTCT TTTATTTATT TACTTATTTA TTTTTGAGAC GGAGTCTCAC TCTGTCACCC 227100

AGGCTGGAGT GCAGTGGCGC GATCTCGGCT CACTGCAACC TCCGCCTCCC GGGTTCAAGT 227160

GATTCTCCTG CCTCAGACTC CCGAGTAGCT GGGATTACAG TCATGCACCA CCATGTCTGG 227220

CTAATTTCTG TATTTTTAAT AGAGATGGGG TTTTGCCATG TTGGCCAAGC TGGTCTCAAA 227280

CTCCTGACCT TAGATGATCT ACCCACCTTG GCCTCCCAAA GTGCTGGGAT TACAGGCATG 227340

AGCCACTGCG CCCAGCCCTG CTTGTCTTTT TATTTTATAT TTGATTAGCT TTATCTTTTA 227400

TCAAGCTTAT GTCCTATTTC CCTTTGCTTT ACTTCATATA AATTTTGTTT TGGATAGTTT 227460

ATTTATTTTT CATTTAATTA TGAAACAGGT TAAAGCTTAG AGGAAAATTG CTCCTCTAAG 227520

TCCACTTTTG TGGGCAGATT ACATTTGCT GTGTTGTGCT CCCAAATTCA TTGTTCTTTT 227580

AATGCTTTAT TTCTCAAGTT AATAACCTAT ATAGTAAAAA AGTGGCTGTT GACTCTCAGC 227640

TTTTTTTTTT TTTTTTTTTT TTTTTTTGTA GATACAGGGA TCTTGCTGTG TTGCTCAGGC 227700

TGGTCTGAAA CTCCTGGCTT CAAGGGATCC TCCTGCCTTG GTCTCACAAA ATGCTGGGAT 227760

GACAGACATG AGACACCATG CCCAGCCATG TCTCTCTCCT TATATATAAT AAGAAAACAG 227820

ACACACTGAG GCATCCTATC ATCTCACTCT TGGTTTCACT ACTGTTCTCT GGAAGTTTTG 227880

CTCTGACCTT TTGCAGTTAA TGTATTAATT TTGCATTGAG TAGTTTCCAT AGAAGAATTA 227940

TAGCATTTGC ATTCTGTTGG GTATTATACT TTTCACTGTT ATTTGAACAT AATTTGAGGG 228000

CTGAAACCAA GATGAGGCAA GTGAGGTGCC CAGGAAGCAA TATTTAAGGA GGCATCCTTT 228060

CTTAGGCTCA TGCAAGAACA GAATTGGCAC ATGAGAGTGA GTGCCTCCTT AATTTTGAGT 228120

-314-

```
GCTGGACACT TCTTGCTCAC TTAGCATACC CCTGGACAAT GAAGTGTTTT TTGTTTTGTT 228180

TTTTCATGTC CATCCTTTAT CCTTCTTCAT CTCAAACAT TTCAATGGAG TATTTTTTTG 228240

GAGCAGTACT TGGATGAGCC TCTGAGTCCC ACAGTAGCTG AGAATTTATT TCATAGTACT 228300

CTTTATGATC ACTGTGGAGC CTTAAAACAT TGTAATATTA ACTTAGCTGG GAACAGAAAT 228360

TTTGTTCCAC AATTTGTCTT ATTCAGAACA GTATTGACTT CCTGCTAGTC TCTTCTGATG 228420

TCCAATATGA GGAAGTCTAG TTAGCCAGCT ACTTTTTGTA GGAGAGCTAT GTTTAGGCTA 228480

GGTGCTATAG GATTCTCTTT ATCCTGGAAT TCCTTCACCA AGATGTGCCA AGGTGTTAAT 228540

CATTTTCTCT TGCTTTTTGG CTGGTGGTCT TAGAGTTTCC TTCGATTTTG TTTATTTAG 228600

TGATTGTCCT CAATTTGTTT TCTTTACTAA GAATCTCTCT TCTATTTATC TGTATGGTAA 228660

AACCTTGTTG CCCATCTTTC TGGTTTCTGC TGACTTTCAT TTTTGGACCT TTTACTTTGC 228720

TTTCTCCATG GACTTTTTGG TAGTGGAGGC AGGCAAACAC TTTCCAAAGT CTTTCTCAAT 228780

TTCCATCAAT TTCAACTTAT TTCCTAAAAT TGCCTCAGAA TGTGCCTATG TCCACAATAT 228840

CCCTCCTTCC ACTTTAGAAA GGAAAGGCAT CCACACTTTA TTTAGGTGCA ATGCCTGAAG 228900

TGTAAACACT TTCTGGTTGT CAACAAAGGA GTACTTCCAA ATATTGGTTT GGGGATAACC 228960

TGCTAATGAT TAACACATTC ACCTTGGCTC TTGGTTTGCC TGCTCCCTCT TCTTTTATCT 229020

GCTGTGTGTA TTTTTTTTAA TCACTGAGAA TATGCACAGT ATTGTATGTT TTATTATAAG 229080

AGAGGACTGG CCAGAGTGGG AATGTTCTGA ATTCAGAATA ACTGAAGCAG TACAGGATAG 229140

GAACTCATTC TTTCAAATGA AGCTGGCATA TTTTCCCAGA GCACCAAATT TCAATATATA 229200

TTTAAAAAAC TTGATATGAA TGATACAATA AAGTGGTTAG AACTTTTATT AAAATAAACT 229260

TATGTCATGA AATACTTATT CTAATTATAG TCACTCTTCA TCTTATTTCA TCTTATAACA 229320

TGTTTAATGT TTTCTTTTAT TTACAAAACA ATTTATTTTT TGATGAAAAG TTTTAGAAAT 229380

CAAGTTAAAA ATATTCAAAG GAATGCCTAA AGTTTTCAAA ATTCTTTTAC ATGTTGTACA 229440

ATCAAAGAG TCTGAAGACC ATTTAGCTAT CCAAATTGTT TATTTTTAAG CAGTATCCCT 229500

TCTAATATTT ACTATTTATA ATCCTTAAAA ATTTGCCTTA GCACAGGAGA ATTGCTTGAA 229560

CCCAGGAGAC GGAGGTTGCA GTGAGCCAAC ACAGTGCCAC TGCCCTCCAG CCTCGGCGAC 229620

AGAGTGAGAC TCTGTCTCAA AAAAAAAAAA AAAAAAAAAA AAAAAGGCC AAAAACAAAT 229680

AAACAAACAA AAAAATCCGC CTTAACATTA TTTGTTCATT AAAAACTTTC TTTAATACTA 229740

CTAGTTTCCC TTTCCTCTCA GCCCATTGTC ATATTTTGAT TTTTATCACT TGCTTTGTAG 229800
```

-315-

GACATATGAG GTTTTTGTTT TTTTTTTTTT TTGGAGATGC AGTCTCCCTC TGTTGCCCGT 229860

GCTGGAGTGC AATGGCGCAA TCTTGGCTCA CTGCAACCTC TGCCTCCTGG GTTCAAGCAA 229920

TTCTCCTGCC TCAGCCTTCC AAGTAGCTGG GATTACAGGC ACCCACTACC ACGCCTGGCT 229980

AATTTTTGTA TTTCTGGTAG AGACGGGGTT TCACCATGTT GGCCAGGCTG GTCTCGAACT 230040

CCTGACCTCA AGTGATCCAC AATCCTTGGC CTCCCAAAGT GCTATGATTA CAAGCATGAG 230100

CCACCTGCCC AGCCAGAATA TATGTTCATT TTGAGTCCTT TAACAAAGTC ATAAGAATTT 230160

TAGGAATTCA GTTACTTTCT TGAGAAAATC TCTGAAAAGA TGCCAATAAT TTGTAGCCAA 230220

TTATATTGAT TTCTCTTTTT CATATTGAGA ATTGTTTTTT AAAAAGTTTG TATGTGTGAA 230280

GATTTTTGCA CTGTAGTTAA AGAAACCACC TGTGTGTTGG TTAAGCCATA AGTACATGTA 230340

TTCAAATAAA TTGAGGTGGG GTTACTCTGA GAATCAAAGG AAAACCTGAA GAAACAGGCA 230400

GCCTCAAAAG GTCTTAGCTG TAGCAACTTG CTCCATTGTT GAAATAAATA GGCTTGAACT 230460

TGTATTTTCC CTCTACTCAA CATTTAAGGT CTCAGAAGAT AATATAATTG GTGAAATTTA 230520

AGTAAAGTGC TCACTCTTTT GCTTTAACAA ACCCTAGAGA GCTGGTAGGC AGAGCCTCAA 230580

CAGACCGTTT TAGCTTCCAA AGGGAGTTCA GGACACCATG ATTCACGACC ACAATACATC 230640

ACACATAATT GAGAAAGAT AGTTCCACCA AATAAAGTTG AAATGCTGAC AAGAAGGGGT 230700

AAGAAATCTT GGAAATAGGT TTATATAAAA TTTATTTTTT CCTTTTTTAT TGTTATGGAA 230760

TAGGACCAGT TCTACTTAAG CCACCCATTT GCCAAAATAA AGTGAGAATC GTTTCTTTTG 230820

GGGACTCCTC TTTGTAGCTC CAAGTGCCAC TAACAATTCT TAGGACCTGA GCTATAAGCC 230880

AGGTGATTTC AGTTAATATG ATCAATTATT TCATTTAAAT GGCTCTAATG TGCAGAGGGA 230940

ACGGAGCCCA TCAGCATTCC CTGCAGGGAA CTGCAGTGGC TTTTATCAAC TTGAACAGCT 231000

AGCTTTCAAC TGTTTTGAAA TCACTTTCAG GGTGGTCATG TAGTTGCTTT TTTGAAATCA 231060

GAAGATGATT CTGCCTCTTT TAATATGTGA CTCCTCAGAT TCAGAAAGTG CTCGCTAGTC 231120

TTAAGAGTGA ATTACCCTCA GTGGTCCAGC GCTTATGAAC CCACATCTAA CCCTATCCCC 231180

TGGGGGAACT ATCAGAGAAA TTGGTGCCAT GGACATAAGA GGAAGGCACA GTGAAGCAGA 231240

GAGCCCCGCA TGATGAAAAT CAGTGGACAG CATCATTATT TACAACTTTG TAATCACCCA 231300

GGAGCATGAA AATCCAGGCC AATCTGGCAC CATGAGCTCT AATTTTTGTT GGAGTTCTTG 231360

GAACCGATTC TGATGAATGA CTGTTTAGCC ATTTTAGAGT GTGGCATACG TGGCTGCTGG 231420

CATACAGAGG TTGGATGTAA ACGGGCCTTT GCCCTCTCTT ATGAACATAG ACAGGAACTA 231480

-316-

```
AACTGTGTCA CATAGGTTCC AAATGGTGGC CTGAATACTA TTTACAACTA AGGTACAATG 231540

AAATTGAGTA AGTCTTTTCC TCTTTTGCAG ATACCATCAT TATTCATATA TTTCTTCAAA 231600

GTTAACTATT TGTATTTGGT AATTTTTAAT AGAAATGTAA TAATTGCTTC TCAAGTTTAG 231660

TCTTTAGTCT TAAGGTTGAT GCTCTCCATG TCCTTCCAAA AAAAGGTATG TTGCTTTTAT 231720

TATATCCTCG CCTTCAGATG GGATTATTCC ATTTTGTTCT TTGTTAATAT ATACTTTGAG 231780

CCACTTTTTT TGTGGCTCTG GGTGAGATGC TATAGGTACA ATGACAAGTG ATACGTGTGT 231840

TGTCCCTGTC ACAAAGTGG ATAGCCTAAG TGGTGACTTT TACCTCCACT CCAAATATAT 231900

GTATCACACA CCAGCCGTAT GCCAGGCACC ACTCTAGGTG CTAGGGATAC AGCAGTAAAC 231960

AGACAAATGC AACCCCTGCC CATGTGAAAG AGAATAAGAC AATAAATAAG TAAAGTGCAT 232020

GTTATATGGA GGTGGCAAAT GCTAAAAGA AAAATTAAGC AGGCAAGAGG ACTCATTGAA 232080

AAGATGACAT TTGGGTAAAA GCCCATGTAT ATATGTTCTA TTGGTTTTAT TTCTCTGGAG 232140

AGCCCTGACT AATACACAAT GACTTTGAGA AGTTACTGGC TTTTGATTTA TCACACTATT 232200

CGGAGTGCTG AGAGCCTTCT TAGTGTGTAT TCAGTGTTTT AAGAGAGCTT GTGGATGAAT 232260

AATAAATAGG ACAAAATTTA TCCAAACTTA AGCCTTGCTT TAGGTAAAAG GGCTCCTCTT 232320

ACAAGGTAGA AGGTTATTAT TTGACATTTA AATCCAACTG AAGACTAATA AGACTAATTA 232380

ATTAAAAGTT TTTAAATCAC AACTGCGTGC AAAATAAATG GAACTGCCAT GCTCGCCAAG 232440

TGTGCATGAG TGGTGTGCAT GGGAGACAGC ACGAAGCTAA TCCCACTCAT CTTGCAGGTT 232500

GCTCCATTTT TCTCCTAAAA TCAGTAAGAC AGAAGCTGGT CAGATTATCA AGAGCCCTAG 232560

TTAAACACAG CAGTAGCATT TGGAAGGGGT TGCTCTCATT AGGCAGTGCC TGACCACAAC 232620

AAGAGATGAA CAAGCCCTGT ATCTGAAGCC ATCATGCCTA GTTATGGTCC CCGACTGTTC 232680

ATGATGCCTG GAAGGGAGGC CCCCTGCACC CTAGAAAGCT GGGTGGGTTC TACTGTCTGC 232740

TTTACTGCTA AAAACCCTCT TCTTTGGATC TGGACTTTAC CTCTATCTGA TTTTTTTTTC 232800

TAATATATGA TTTGGCACTG AGTCTGTCAC TGCTGCTAAC TCAGCAGTTC TAGGGTCATT 232860

GCCCCATTGC CTCACAGAAA GAATTTCATA GCTTCCAGCA TCCTCTCTCC TTCATTATAC 232920

TTTGATTTCA GCATTGCTAT TTTTTCTCTT GGGTGTTGCA GCTCTCTCTC TCCTTCCCAT 232980

GTCTTGTTGG TTTTCTGCTA ACTCCTGCTT TTTTTCTTTT TTTTTTTTG AGACGGAGTC 233040

TCGTTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AACCTCCGCC 233100

TCCCGGGTTC AAGCTATTCT CCTGCCTCAG CCTCCCAAGT AGCTGGGACT ACAGGCGCTC 233160
```

-317-

ACCACTATGC CCCACTAATT TTTGTATTTT TAGTATTGCT GTCATCAATC CACATGTCCA 233220

GAAGCACCTA GAAACTCTAA TTCTTTGTAG GTATCAAACC CTAGGACTCT TTCCTCTAAT 233280

CACAATATAT AATCCCTGAT TCCCAAACAC GGTCTTTTCA TATACATTTT CCACTGTACA 233340

TACTTTCTGA CCTGGAAAGC TCTTACACAA ACACGCCCTC CCCTAGGAAG CCTTTATAAA 233400

TGTTCCCAGG AAGAATCAGT CACCCAACAG TGTCCTTGTC ACATCTTAGG TTCTACACCT 233460

TTATTTGTTC TATCTGAATG TAATCTCCCA GAGGGTGTTA TCATCTTTTT TTTTGAGATG 233520

GAGTCTTGCT TTGCTGCCCA GGCTGGAGTG CAGTGGCATG ATCTCGGCTC ACAGCAACCT 233580

CCACCTCCTG GGTTCAAGTG ATTCTCCTGC CTCAGCCTCC TGAGTAGCTG GGATTACAGA 233640

CGTGTGTCAC CACACCTGGC TAATTTTTGT ATTTTTAGTA GAGACAGGGT TTCACCGTGT 233700

TGGCAAGGCT TTCCTCGAAC TCCCAAACTC AGGTGATCCA CCCACCTCAG CCTCCCAAAG 233760

TGCTGGGATT ACAGGTGTGA GCCACCATGT CCAGCCCCAT CTTTTTCTTT TAGTTTAGTT 233820

CTTAACAAAT AGTCTGACAC AAAGTGGATA TAACAATATT TTGAATTATG AATAACTAAA 233880

TGAATATTTC CAGATTTCCT GGTGCTCTCA AAGTTTTATG TTACAAAGA AAAACAAGTC 233940

TAAAATACCT GCCTCAAGTT TTTATCTGTA CTATGATTTC AAACCAAATA AAAAACAGGT 234000

GGGGTAAAAA CTGAAACAGG AAATACATAT AACTGAAAAA TTTTGGTATG TTAGTATGAT 234060

AATACTAGGT CATTTTTCCT GTTTCCCCAA CTTCATTTTC TATAGCAATA AAAAGAAACA 234120

AGTAAATGTA TGTTAATTTA ATTTAAAAGA AGTAGTCTAC CATCTCTTCT GTTAAAAAGA 234180

AAAAAGTATT TTAAAAAATT ATCTCTGGAA GGATACACAG GGAACATTGC TCTGGTTTCT 234240

TCCAAGAGAG AAATGAGGAA CTAGAGAGCA TGGCCAAGTG GGGTTTTGCT TTTGTTTTTG 234300

TTTGTCTATC TGTTAGCTTT TTATTATTTT CTTTTGTAGG TTTGAATTTC AAACCACATA 234360

AATCTGTTAC ATGCTCATAA TAATAAGTTT AAAATAAAAC TTTTGGCTGG GTGCAATGAC 234420

TTACACCTGT AATCCCAGCG CTTTGGGAAG CAGAGGTGGG AGGATACTTG AGGCCAGGAA 234480

TTTGAGATCA GCCTGGGCAA CATAGTGAGA CCCTGCCTCT GTAGAAATAA ACAAAAATTA 234540

GCTGGATATG GTGGTGCATG CTTGTACTCC TAGCTACTTG GGAGGTTGAG GCAGGAGGAT 234600

CCTTTGAGTC CAGGAGTTTG AGGCTGCAGT GAGCTATAAT CACCCACTGC ACTATAGCAT 234660

GGGCAATAAG GTGAGAACTT GTCTCAAAAA AAAAGGGGG GGGGGAAACA AATAAATAAA 234720

TATAAACAAA ACTTTTGTTT CAAAATATGT AATATTTAGC ACTAAAGAAT TCTGAATTGT 234780

AGAGCTAAAA AGTACTTAAA AGTTAATAAC TATTGTCTCC TTTAAAAGAA TTGTTATCAA 234840

AGTATAATTT TTATCCAGAA AATCATCCAT ATCAGCAAGC TAAACTTTCT CAAAATGACA 234900

TATCCATGTA ATTAGCTCCC AGGTAATTAG CAGGCAGCCT CTACTCAGGT TGAGTATTCC 234960

TAATCTAAAA ATTGGAAATT CAAAATGCTC CAAAATCTGC AACTTTTTGA ATGCTAACAT 235020

GATTCTCAAA GGAGTGCTCA TGGAGTATTT CAGATTTTGG ATTTTTGGAT TTGAGATACT 235080

CAGTATAATG CAAACATTCC AAATCTGAAA AAATCTGAAA TACTTCTGGT TCTAAGCATA 235140

AGGGATACTC AACGTGTGTT AGCTAATTAG ACCCTTCATG GTCTCTTCTA GACCTCAGCT 235200

TCTTCAAGGT AACCTCTATC CTCACTTCTA ATAGCATGAA CTTTTCTGTT TTAGAATAAT 235260

TTGGATTTTC AGGAAAGTTG CAAAGATAGT ACAAAGACAG TACAGGAGAG TTCCCATATA 235320

TCTTTCACCT AGCTTTCCCC CATTGTTAGG ATTTTACATT ATTATGATAC ATTTGTCAAA 235380

TATAAGCAAC TCACATTGAT ACATGAAACT CTATTAACCA AACCCTAGAC TTTATGTGGA 235440

TTTCACCACT GTTTCCACTA ATGTTTTCTT TCTGTTCCAA GGTCCAATCT GGAATACCAC 235500

ACTGCATTTT CTTGTCATAT CTCCCTAGTC TTTTTTTGTC TGTGACAATG TCTCAGTCTT 235560

TTCTTGCTTT TCATGACCTT AACAGTCCTG AAGATCATTT GCTTTTTTTT CATAATTACA 235620

CCGGAGTTAT AGATTTTTTG AAATAATACC ACAAGGGCAA AGGGCCCTTC TTGTCACATC 235680

ATTTTAGGGA GAACATGATA TCCACATGAC ATCACTGATA TTAACCTTCA TCATGTGGTT 235740

TAGGTAATGT TTCAGGTTTC TCTACTGCAA AGTGATTTTT TTCCCTTAAT TTAGCCCACC 235800

TGAACTTATC AATTTGTTT TCTTCCATGA CTAATACTTT TGTTATTATA GCTAAAACTT 235860

CATTGGGGCC AAATCTTAGA TCATGTAAAT TTTCTTCTAT ATTTTATTCT AAAAGCTTGT 235920

AATGTTTGAT ACATTCTAAA AGATGTAATG TTTGATACAT TACATCTAGT CCTTTGATTT 235980

ATTTTTAGTT ACTTTTGTAT AAGGTGTGAG AGATGTCTCC AGTTTCACTT TATTAACACA 236040

TTGTGGTGTT CCAGTACTAT TTGTTGCTAA GACTATCTTT TTTCCATTGA TTACCTTTGC 236100

CTTAGTTGGC AATATTTTTG TTGGTTTATT TCTAGACTGT TTATCTCATT CCACTGATTT 236160

GTGTCTATCT TTTTGACAAA ACTGTTGATT ACAGTAAGCT TTGAAATAGT TCATTTTTTG 236220

TGTCAACTTG ACTGAGTCAG GGGATAACCA GCTATCTGGT TAAACATTAT TTCTGGCTGT 236280

GTTTGTGAGC GTGTTTCTGG ATGAGATTAG CCTTTGAATA GGTGATCCTA GTAAAGTAAA 236340

CTGTCTTTCC CAGTGTGGAT GGCATTATGC CACCTGATAT TCAGGGTCTG AATAGAAGAA 236400

AAGGCAGAGG AAGGGGGAAT TTGGGCCTTT TTTTCTGCCT CACTGCTTGA GCTGGGACAT 236460

CTCATCTGGT CTCCTGCTCT TGAACTGGGA TTTACATCAT CAGTTCCTCT GGTTCTCAGG 236520

-319-

```
CCTTCAGATT CAGACTGAAT CATACCACCA GCTTTCCTGG GTCTCCAGCT TGCAGATTAC 236580

AGATCATGGG ACTCCTCATC TTCCATAAAT GCATGAGCCA ATTCAGTCTA TGTCCTTGAA 236640

AACTGCCCCA CTGCAGATTA AGGCTTTTTT CCACTAGGTG AAATAAAGAA GCTTGTTAGA 236700

CAGATTTCCC TTCATCCAGT GCCCTCTCCT CTTTAAGTTA CAACACATTG GCTACACCTA 236760

AGTGCAGGGG TGGGGATGAG GGTATAGTCC TCTTGTTTGC TGAGAAGAGA ACTGTATTGG 236820

GAAAGCTCTA GAAGTGTTTG ATACATACAT AAACAAGGCA TGGTTTTTGC ACTTAATTTC 236880

ACATTACATT TTTCCCAGAA AAAAAGGAAT GTATAGGCAT CACGTAACTG TACTAGCTGG 236940

AGTCATTCTT CCTGATTATC AAAGGTAAAC AGTTATTAAT CCTATACCAA GATGTCAAGG 237000

AGAAGTACTT TTGGAACACA AGGAATTCTC TGGGAGTCCT TACTACTCTC AAGCCCAGTG 237060

AAAAAGTTAA TGAAAAACTA TAGTACCTTC CTATAAGCTG GATGACTAAT TACCAGGCTC 237120

ATTTAGGAAT TTGCCTTACC AAGTAAAACA TAAGGGCAGC TGAGGTGCTG ACTGAAGACA 237180

AATGGAGCAT AGAATAAGAG TAGTAAAGAA TGCCAAAAAT GCTGTCATGT ATCCATTGAC 237240

AAAAGGAGCT ATAAAGCCTT TAGGTATTTT CACACTTGCT CTGTTACGTA AATGTATGTG 237300

TGTGTGTGTG TGTGTGTGTG TGTGTG                                    237326
```

(2) INFORMATION FOR SEQ ID NO:3:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

```
CGTTAGAACG CGGCTACAAT                                                20
```

(2) INFORMATION FOR SEQ ID NO:4:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCCGATTCAT TAATGCAGGT   20

(2) INFORMATION FOR SEQ ID NO:5:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 20 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

CTGTAAAACG ACGGCCAGTC   20

(2) INFORMATION FOR SEQ ID NO:6:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 19 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

GCAGGAAACA GCTATGACC   19

(2) INFORMATION FOR SEQ ID NO:7:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 21 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

GCATCAGCGA TTAACTTCTA C   21

(2) INFORMATION FOR SEQ ID NO:8:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 22 base pairs

(B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTGCATTGTG GTGAAATCAG GG   22

(2) INFORMATION FOR SEQ ID NO:9:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 21 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

CTGAGTAATT GTTTAAGGTG C   21

(2) INFORMATION FOR SEQ ID NO:10:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 21 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CTGAGTAATT GTTTAAGGTG T   21

(2) INFORMATION FOR SEQ ID NO:11:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 20 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

AGAAGAGATA GATATGGTGG   20

(2) INFORMATION FOR SEQ ID NO:12:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 20 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

GAATGTGACC GTCCCATGAG   20

(2) INFORMATION FOR SEQ ID NO:13:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 28 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CAACTGAATA TGCAGAAAAA AGTACACC   28

(2) INFORMATION FOR SEQ ID NO:14:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 21 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

AGTAGCTGGG ACTCACGGTG T   21

(2) INFORMATION FOR SEQ ID NO:15:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 21 base pairs

(B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

AGTAGCTGGG ACTCACGGTG C   21

(2) INFORMATION FOR SEQ ID NO:16:

     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 21 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

GCGCCACCAC TCCCAGCTCA T   21

        (2) INFORMATION FOR SEQ ID NO:17:

     (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 15 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TCACACACCG ATTGG   15

        (2) INFORMATION FOR SEQ ID NO:18:

     (i) SEQUENCE CHARACTERISTICS:
     (A) LENGTH: 16 base pairs
     (B) TYPE: nucleic acid
     (C) STRANDEDNESS: single
     (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

CCAAACTGAT CTTTGA   16

(2) INFORMATION FOR SEQ ID NO:19:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 14 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TATATATATA TATA   14

(2) INFORMATION FOR SEQ ID NO:20:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 14 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20:

AAAAAAAAAA AAAA   14

(2) INFORMATION FOR SEQ ID NO:21:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 10 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21:

AGGATGGTCT   10

(2) INFORMATION FOR SEQ ID NO:22:

        (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 12 base pairs

```
            (B)  TYPE:  nucleic acid
            (C)  STRANDEDNESS:  single
            (D)  TOPOLOGY:  linear




    (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:22:

TTGTTGTTGT TG                                                       12

(2)  INFORMATION FOR SEQ ID NO:23:

        (i)  SEQUENCE CHARACTERISTICS:
            (A)  LENGTH:  14 base pairs
            (B)  TYPE:  nucleic acid
            (C)  STRANDEDNESS:  single
            (D)  TOPOLOGY:  linear




    (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:23:

CTTTTTTTTT TTTT                                                     14

(2)  INFORMATION FOR SEQ ID NO:24:

        (i)  SEQUENCE CHARACTERISTICS:
            (A)  LENGTH:  12 base pairs
            (B)  TYPE:  nucleic acid
            (C)  STRANDEDNESS:  single
            (D)  TOPOLOGY:  linear




    (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:24:

AATAATAATA AT                                                       12

(2)  INFORMATION FOR SEQ ID NO:25:

        (i)  SEQUENCE CHARACTERISTICS:
            (A)  LENGTH:  11 base pairs
            (B)  TYPE:  nucleic acid
            (C)  STRANDEDNESS:  single
            (D)  TOPOLOGY:  linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:

TTTTTTTT T   11

2) INFORMATION FOR SEQ ID NO:26:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:

ATATATATAT ATATATATAT   20